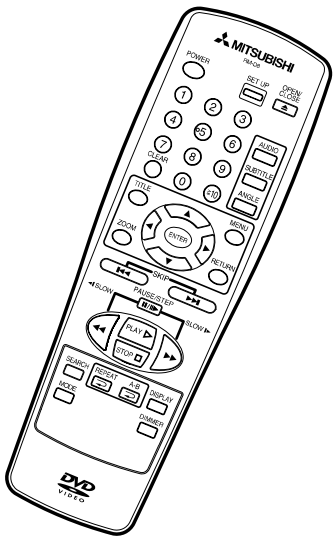
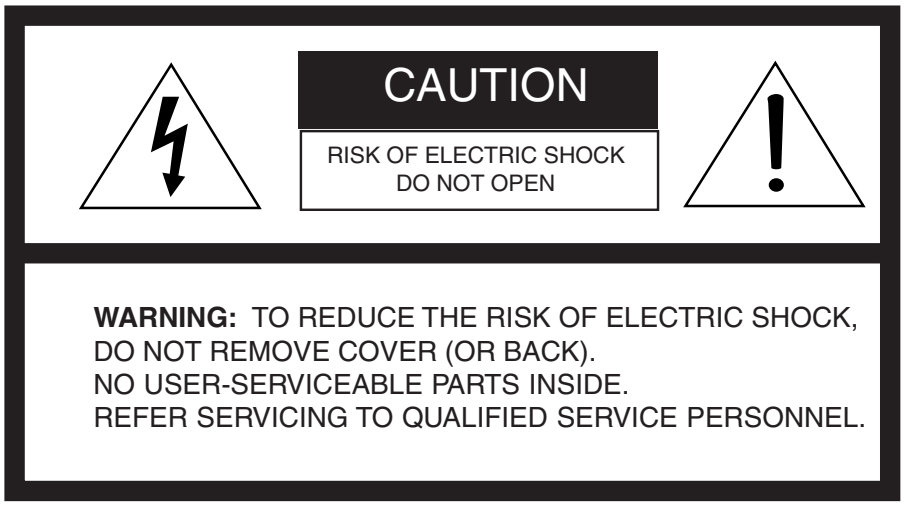
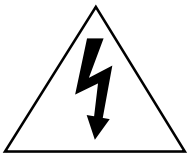
MITSUBISHI ELECTRIC
DIGITAL TELEVISIONS

DD-6040

DVD Player
Owner's Guide




CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

- For models having a power cord with a polarized plug.

CAUTION:

TO PREVENT ELECTRIC SHOCK, MATCH THE WIDE BLADE OF THE PLUG TO THE WIDE SLOT, FULLY INSERT.

DANGER:

VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED.
DO NOT STARE INTO BEAM.

CAUTION:

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

IMPORTANT SAFEGUARDS

PLEASE READ ALL THESE INSTRUCTIONS AND RETAIN FOR FUTURE REFERENCE. FOLLOW ALL WARNINGS AND INSTRUCTIONS MARKED ON THE DVD PLAYER.

1. **Importance of Instructions**
   All the safety and operating instructions should be read before the appliance is operated. The safety and operating instructions should be retained for future reference.

   All warnings on the appliance and in the operating instructions should be adhered to. All instructions should be followed.

2. **Cleaning**
   Unplug this DVD Player from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

3. **Attachment and Equipment**
   Never add any attachments and/or equipment without approval of the manufacturer, as such additions may result in the risk of fire, electric shock, or other personal injury.

4. **Water and Moisture**
   Do not use this DVD Player where contact with or immersion in water is a possibility. Do not use near bath tubs, wash bowls, kitchen sinks, laundry tubs, swimming pools, etc.

5. **Moisture Condensation**
   A drastic change in temperature, such as, moving your DVD player from a cold area to a warm area can cause moisture condensation on the optical pick-up lens. You must allow the player to evaporate any moisture before you play any discs. To do this, remove any discs that are in the player. Then turn the player on for two to three hours until it warms up. Using your DVD player before the moisture evaporates could seriously damage discs and internal parts.

6. **Accessories**
   Do not place this DVD Player on an unstable cart, stand, tripod, bracket, or table. The DVD Player may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod bracket, or table recommended by the manufacturer or sold with the DVD Player. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

S3125A

   An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

7. **Ventilation**
   Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the DVD Player and to protect it from overheating. Do not block these openings or allow them to be blocked by placing the DVD Player on a bed, sofa, rug, or other similar surface, nor should it be placed over a radiator or heat register. If the DVD Player is to be placed in a rack or bookcase, ensure that there is adequate ventilation and that you adhere to the manufacturer's instructions.

8. **Stacking**
   Do not place any heavy object(s) on top of your DVD player. The object(s) may fall, causing serious injury and/or damage to the product.

9. **Power Sources**
   This DVD Player should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. Overloading wall outlets and extension cords, can result in a risk of fire or electric shock.

10. **Grounding or Polarization**
    For your safety, this DVD Player is equipped with a polarized alternating current line plug having one blade wider than the other. This plug will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

11. **Power-Cord Protection**
    Place the power-supply cord out of the way, where it will not be walked on, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

12. **Lightning**
    Unplug your DVD Player from the wall outlet if it will not be used for a long time or if there is a lighting storm. This will prevent damage to the product due to lightning and power-line surges.

13. Object and Liquid Entry
Never push objects of any kind into this DVD Player through openings, as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill any liquid on the DVD Player.

14. Servicing
Do not attempt to service this DVD Player yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

15. Damage Requiring Service
Unplug this DVD Player from the wall outlet and refer servicing to qualified service personnel under the following conditions:

(a) When the power-supply cord or plug is damaged.

(b) If liquid has been spilled, or objects have fallen into the DVD Player.

(c) If the DVD Player has been exposed to rain or water.

(d) If the DVD Player does not operate normally when you follow the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the DVD Player to its normal operation.

(e) If the DVD Player has been dropped or the cabinet has been damaged.

(f) When the DVD Player exhibits a distinct change in performance.

16. Replacement Parts
When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer, or having the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

17. Safety Check
Upon completion of any service or repairs to this DVD Player, ask the service technician to perform safety checks to determine that the DVD Player is in a safe operating condition.

18. Heat
The DVD Player should be situated away from heat sources, such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

19. Radiation Safety
The laser is covered by a housing which prevents exposure during operation or maintenance. This product is classified as a Laser Product by CDRH (Center for Devices and Radiological Health), a department of the Food and Drug Administration. According to their regulations, 21 CFR section 1002.30, all manufacturers who sell Laser Products must maintain records of written communications among the manufacturer, dealers, and customers concerning radiation safety. If you have any complaints about instructions or explanations affecting the use of this product, please write to us at the address on the back page of this manual. When writing, include the model number and serial number of your DVD Player.

20. In compliance with Federal Regulations, the certification, identification, and period of manufacture are indicated on the rear panel.

21. FCC INFORMATION FOR USER

CAUTION:

Changes or modifications not expressly approved by the manufacturer for compliance could void the user's authority to operate the equipment.

IMPORTANT:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user can try to correct the interference by one of the following measures:

(a) Reorient or relocate the receiving antenna.

(b) Increase the separation between the equipment and the receiver.

(c) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

(d) Consult the dealer or an experienced radio/TV technician for help.

A Note About Recycling

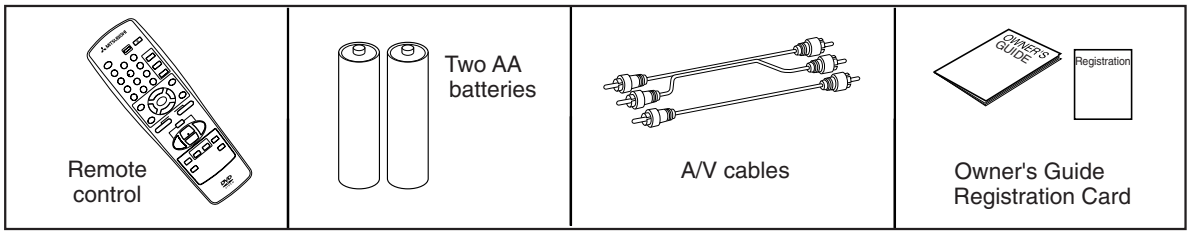
This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with your local recycling regulations. Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulations concerning chemical wastes.

The serial number of this product may be found on the back of the DVD player. No others have the same serial number as yours. You should record the number and other vital information here and retain this book as a permanent record of your purchase to aid identification in case of theft. Serial numbers are not kept on file.

About Copyright

Unauthorized copying, broadcasting, public performance and lending of discs are prohibited.
This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Supplied Accessories



Symbols Used in This Manual

The following symbols appear below some headings and in some notes in this manual.

DVD-V:

Refers to playback of DVD Video discs.

CD:

Refers to playback of audio CDs.

MP3:

Refers to playback of MP3 discs.

VCD:

Description refers to playback of Video CDs.

JPEG:

JPEG video data recorded in the data CD (CD-R and CD-RW) can be displayed.

WMA:

Windows Media Audio (WMA) can be played back.

Picture CD:

Picture CD of KODAK standard can be played back.

TABLE OF CONTENTS

■ ***IMPORTANT SAFEGUARDS*** ***3***
■ ***NOTES*** ***5***
■ ***FEATURES*** ***7***
■ ***ABOUT THE DISCS*** ***8***
PLAYABLE DISCS 8
DISC TYPES 8
■ ***OPERATING CONTROLS AND FUNCTIONS*** ***9***
DISPLAY 10
DISPLAYS DURING OPERATION 10
LOADING THE BATTERIES 10
■ ***HOOKUPS*** ***11***
CONNECTING TO A TV 11
CONNECTING TO A DOLBY DIGITAL DECODER OR DTS DECODER 12
CONNECTING TO A TV OR A STEREO TV THAT HAS COMPONENT VIDEO IN JACKS 12
CONNECTING TO AN AMPLIFIER EQUIPPED WITH DIGITAL INPUT JACKS
SUCH AS MD DECK OR DAT DECK 13
■ ***PLAYING A DISC*** ***14***
PLAYING A DVD VIDEO OR AN AUDIO CD 14
USING THE DVD MENUS 14
USING THE TITLE MENU 15
PAUSING PLAYBACK OR DISPLAYING A STILL PICTURE 15
RESUMING PLAYBACK FROM THE POINT WHERE PLAYBACK STOPPED 16
STEPPING THROUGH FRAMES 16
FAST FORWARD/REVERSE 16
SLOW MOTION 17
STARTING FROM A DESIRED TRACK 17
PLAYING FROM A DESIRED TITLE OR CHAPTER 17
STARTING FROM A DESIRED TIME COUNT 18
MARKER SETUP SCREEN 18
RANDOM (Audio CD) 18
REPEAT 19
A-B REPEAT 19
PROGRAM (Audio CD) 20
ZOOM PLAYBACK (enlargement on-screen) 20
PLAYING MP3 / JPEG IMAGE, WMA AND PICTURE CD 21
PLAYING MP3 DISC / JPEG DISC / WMA / PICTURE CD IN A PROGRAMMED WAY 23
PLAYING AN MP3 DISC / JPEG DISC / WMA DISC FROM A DESIRED TRACK 23
PLAYING AN MP3 DISC / JPEG DISC / WMA DISC / PICTURE CD AT RANDOM 23
■ ***SETTINGS*** ***24***
CHANGING THE AUDIO LANGUAGE OR SOUND MODE 24
CHANGING THE SUBTITLE LANGUAGE 25
CHANGING THE CAMERA ANGLE (Multi-Angle Pictures) 25
CHANGING THE ON-SCREEN DISPLAY 26
SETTING IMAGE QUALITY ADJUSTMENT 28
■ ***CHANGING THE SETUP ITEMS*** ***29***
LANGUAGE SETTINGS 29
LANGUAGE CODE LIST 30
DISPLAY SETTINGS 31
AUDIO SETTINGS 32
PARENTAL LOCK 33
■ ***TROUBLESHOOTING GUIDE*** ***34***
■ ***HANDLING PRECAUTIONS*** ***35***
■ ***SPECIFICATIONS*** ***37***
■ ***MITSUBISHI DVD Player LIMITED WARRANTY*** ***40***

- **Progressive Scan system**
  Unlike conventional interlace scanning, the progressive scan system provides less flickering and images in higher resolution than that of traditional television signals.
- **Dolby Digital sound**
  This player can handle Dolby Digital surround sound with 5.1 channels when connected to a Dolby Digital decoder.
- **DTS (Digital Theater System)**
  You can enjoy 5.1 channel surround system developed by Digital Theater System which reproduces the original sound as truthfully as possible.
- **Still/fast/slow/step playback**
  Various playback modes are available including still pictures, fast forward/reverse, slow motion and step frames.
- **Random playback for audio CD and MP3 / JPEG / Picture CD /WMA**
  This player can shuffle the order of tracks to play them in random order.
- **Program playback for audio CD and MP3 / JPEG / Picture CD / WMA**
  You can program the order of tracks to play them in any desired order.
- **DVD menus in a desired language**
  You can display DVD menus in a desired language, if available on a DVD.
- **Screen saver/Auto power-off functions**
  The screen saver program starts when there is no input from the player for five minutes in the stop mode. When the screen saver program is activated for 30 minutes, the power is automatically turned off.
- **Subtitles in a desired language**
  You can select a desired language for the display subtitles, if that language is available on a disc.
- **Selecting a camera angle**
  You can select the desired camera angle, if a disc contains sequences recorded from different angles.
- **Choices for audio language and sound mode**
  You can select the desired audio language and sound mode, if different languages and modes are available on a disc.
- **Parental lock**
  You can set the control level to limit playback of discs which may not be suitable for children.
- **Automatic detection of discs**
  This player automatically detects if a loaded disc is DVD, audio CD, Video CD, MP3, JPEG, Picture CD, WMA on disc.
- **Playing an MP3 disc**
  You can enjoy MP3 files which are recorded on CD-R/RW.
- **Direct Search**
  You can search the desired title, chapter, and track with numeric button during playback or in stop mode.
- **Marker**
  You can memorize your favorite places on a disc.
- **On-screen display**
  Information about the current operation can be displayed on a TV screen, allowing you to confirm the currently active functions (such as program playback), on the TV screen using the remote control.
- **Search**
  Chapter search: Search for the chapter designated by user is possible.
  Title search: Search for the title designated by user is possible.
  Track search: Search for the track designated by user is possible.
  Time search: Search for the time designated by user is possible.
- **Repeat**
  Chapter: Repeated playback of the chapter of the disc being played is possible.
  Title: Repeated playback of the title of the disc being played is possible.
  Track: Repeated playback of the track of the disc being played is possible.
  Disc (audio CD, Video CD, MP3/JPEG/WMA): Repeated playback of the entire disc being played is possible.
  A-B: The part between A and B designated by user is possible.
  Group: Repeated playback of the folder of the MP3/JPEG/WMA disc being played is possible.
- **Zoom**
  1.3, 2-time and 4-time magnified screen can be displayed.
- **Resume Play**
  User can resume to playback from the part at which the play was stopped even if the power is turned off.
- **Component Video Out Jacks**
  Jacks located on the back of the DVD Player which are used to send high-quality video to a TV via Component Video In Jacks.
- **Dimmer**
  Brightness of the display can be varied.
- **Bit rate indication**
- **DRC (Dynamic range control)**
  You can control the range of sound volume.
- **Audio output during fast forward (DVD)**
  Audio output is available during 2-time playback with DVD.
- **JPEG Photo Viewer**
- **Picture CD playback**
- **WMA playback**
- **Adjusting image quality**
  The user can adjust the degree of noise reduction mode, image quality mode, gamma correction, sharpness, color depth and hue.

When you play the Video CD with PBC function, you cannot choose a specified track and set Repeat.
To play the Video CD without PBC function, refer to page 14.

PLAYABLE DISCS

The following discs can be played back on this DVD player.

Disc Type	Logo	Contents	Disc Size	Maximum Playback Time
DVD Video	DVD VIDEO	Sound and Pictures	12 cm	Approx. 4 h (single-sided)
				Approx. 8 h (double-sided)
	DVD VIDEO		8 cm	Approx. 80 min (single-sided)
				Approx. 160 min (double-sided)
Audio CD	COMPACT disc DIGITAL AUDIO	Sound	12 cm	74 min
			8 cm (singles)	20 min
Video CD	COMPACT disc DIGITAL VIDEO	Sound and Pictures	12 cm	74 min
			8 cm (singles)	20 min
Picture CD	Kodak Picture CD COMPATIBLE	Digital photos		

The following discs are also available.
• CD-R/CD-RW discs of CD-DA format
Some of these discs may be incompatible because of "scratch and stain of disc", "Recording condition", and "Characteristic of Recorder".

This player conforms to the NTSC color system. You cannot play discs recorded in other color systems such as PAL or SECAM.

- Some discs include region codes as shown below.

- The number inside the symbol refers to a region of the world, and a disc encoded in a specific region format can only be played back on DVD players with the same region code.

The following discs cannot be played back on this DVD player.

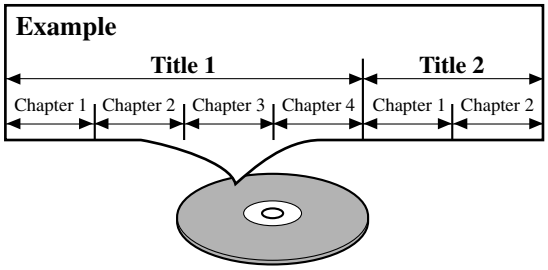
- **DVD with region codes other than 1 or ALL.**
- **DVD-ROM**
- **DVD-RAM (Never play back, otherwise malfunction may result.)**
- **CD-ROM**
- **VSD**
- **CDV (Only plays back the audio part.)**
- **CD-G (Only plays back the sound.)**
- **CD-R/CD-RW (Only plays back the discs which audio CD/MP3/JPEG/WMA is recorded.)**
- **CD-I (Never play back, otherwise malfunction may result.)**
- **SACD**
- **Photo CD (Never play back, otherwise malfunction may result.)**

Any other discs without compatibility indications.

DISC TYPES

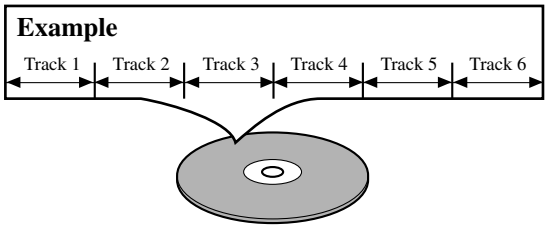
[DVD]

Data on a DVD is divided into sections called "titles," and then into subsections called "chapters," each of which is given a title or chapter number. Playback conditions are preset on some DVD Video discs, and these playback conditions take priority over user operations on this player. If a function you selected does not run as desired, refer to the manual accompanying the disc.



[AUDIO CD] [VIDEO CD]

Data on an audio CD or a Video CD is divided into sections called “tracks,” each of which is given a track number.



ABOUT THE PBC FUNCTION OF VIDEO CD

This unit conforms to ver 1.1 and ver 2.0 of Video CD standard with PBC function.
ver 1.1 (without PBC function): You can enjoy playback picture as well as audio CD.
ver 2.0 (with PBC function): While using a Video CD with PBC function, “PBC” appears on the screen and the display.

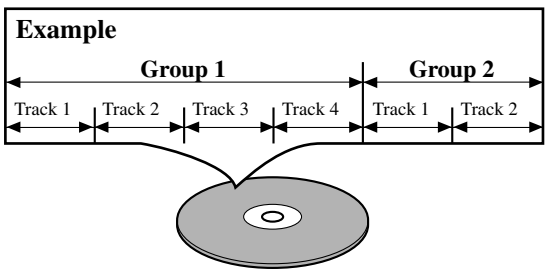
What is PBC? “PBC” stands for the Playback Control. You can play interactive software using menu screen. Refer to instructions in the Video CD.

Note:

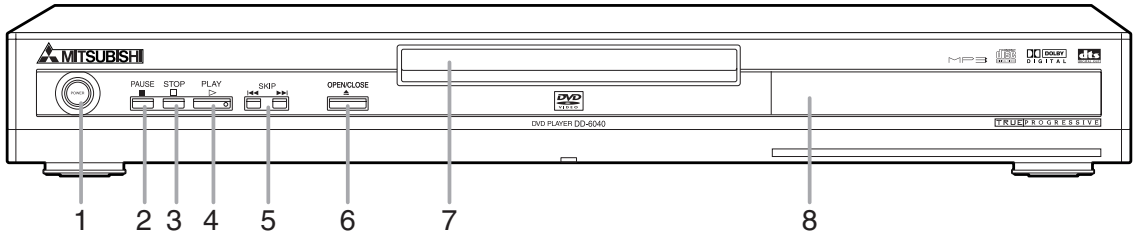
When you play the Video CD with PBC function, you cannot choose a specified track and set Repeat.
To play the Video CD without PBC function, refer page 14.

[MP3, JPEG or WMA]

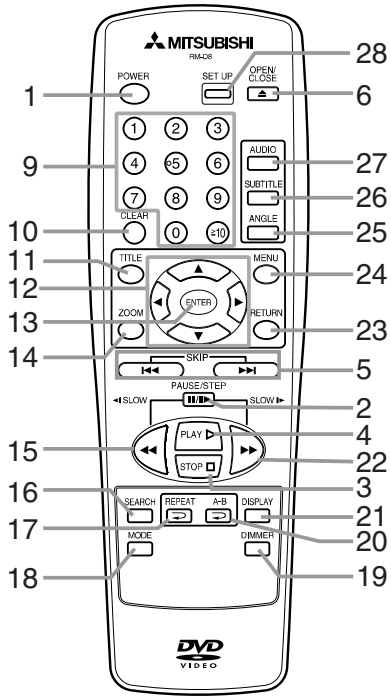
These files are divided into sections called "groups," and then into subsections called "tracks," each of which is given an album or track number.



FRONT PANEL

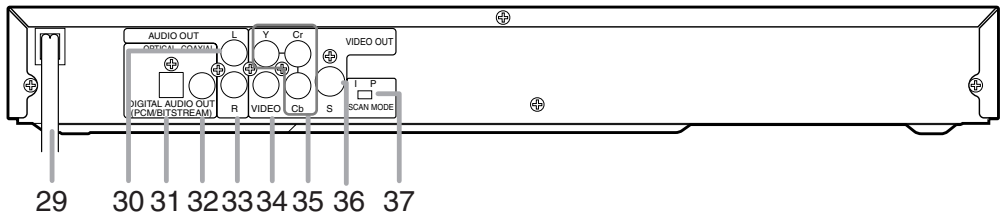


REMOTE CONTROL



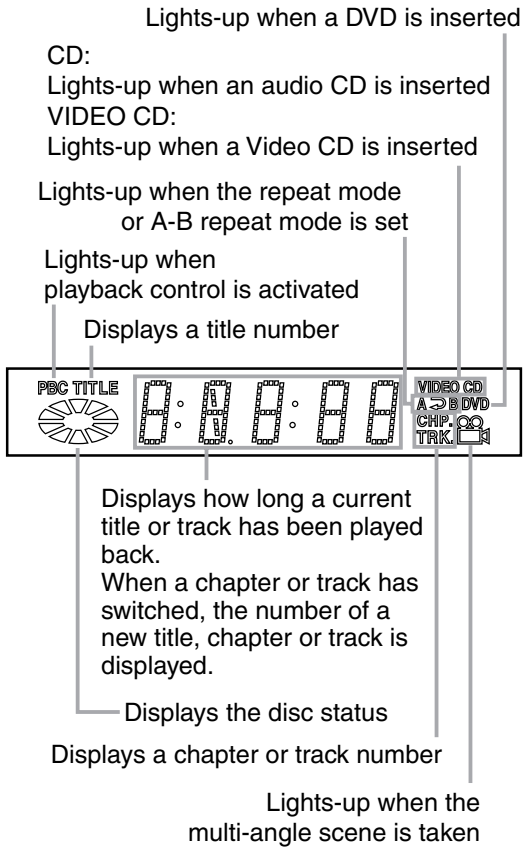
1. **POWER Button [page 14]**
   Press to turn the power on and off.
2. **PAUSE Button (main unit) [page 15]**
   Pauses the current disc operation.
   PAUSE/STEP Button (remote control) [page 15]
   Pauses the current disc operation. View the still picture frame by frame.
3. **STOP Button [page 14]**
   Stops operation of the disc.
4. **PLAY Button [page 14]**
   Starts playback of the disc contents.
5. **SKIP Buttons**
   ▶▶I: Plays back from the beginning of the next chapter or track.
   I◀◀: Plays back from the beginning of the current chapter or track.
6. **OPEN/CLOSE Button [page 14]**
   Press to insert or remove discs from the tray.
7. **Disc loading tray**
8. **Display, Remote Sensor Window**
9. **Numeric Buttons [page 14]**
10. **CLEAR Button [page 18]**
    Resets a setting.
11. **TITLE Button [page 15]**
    Displays the title menu.
12. **Arrow Buttons**
    Use to scroll and cycle through disc and player menus and settings.
13. **ENTER Button**
    Press to accept a setting.
14. **ZOOM Button [page 20]**
    Enlarges part of a DVD-reproduced image.
15. **REV Button [page 16]**
    Fast reverse playback to a desired point.
16. **SEARCH MODE Button [pages 17, 18]**
    Press to locate a desired point.
17. **REPEAT Button [page 19]**
    Repeats playback of the current disc, title, chapter or track.
18. **MODE Button [page 18]**
    Activates program playback or random playback mode when playing CDs or MP3/JPEG/Picture CD/WMA. Also Sets Black level, Image Quality mode, and Noise Reduction.
19. **DIMMER Button [page 10]**
    Select the display panel brightness.
20. **A-B REPEAT Button [page 19]**
    Repeats playback of a selected section.
21. **DISPLAY Button [page 26]**
    Displays timer and bit-rate information on the TV screen.
22. **FWD Button [page 16]**
    Fast forwards playback to a desired point.
23. **RETURN Button**
    Returns to the previous operation.
24. **MENU Button [page 14]**
    Displays the disc menus.
25. **ANGLE Button [page 25]**
    Press to change the camera angle to see the sequence being played back from a different angle.
26. **SUBTITLE Button [page 25]**
    Press to select a desired subtitle language.
27. **AUDIO Button [page 24]**
    Press to select a desired audio language or sound mode.
28. **SETUP Button [page 29]**
    Press to enter the setup mode or to change setup items.

REAR VIEW

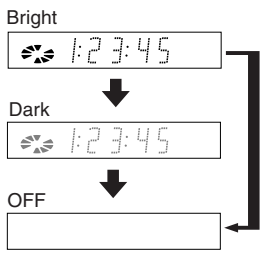


29. **Power Cord**
30. **Left AUDIO OUT Jack**
31. **OPTICAL DIGITAL AUDIO OUT Jack**
32. **COAXIAL DIGITAL AUDIO OUT Jack**
33. **Right AUDIO OUT Jack**
34. **VIDEO OUT Jack**
35. **Component Video Out Jacks**
36. **S-VIDEO OUT Jack**
37. **SCAN MODE Switch**

DISPLAY


Lights-up when a DVD is inserted
CD:
Lights-up when an audio CD is inserted
VIDEO CD:
Lights-up when a Video CD is inserted
Lights-up when the repeat mode or A-B repeat mode is set
Lights-up when playback control is activated
Displays a title number
PBC TITLE
VIDEO CD
A B DVD
CHP.
TRK.
Displays how long a current title or track has been played back.
When a chapter or track has switched, the number of a new title, chapter or track is displayed.
Displays the disc status
Displays a chapter or track number
Lights-up when the multi-angle scene is taken

It is possible to change the brightness of display unit by pressing the DIMMER button of remote control.



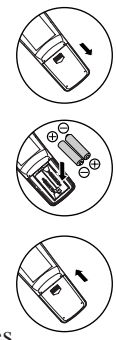
- When the power supply is turned off, the display is returned to the setup status.

DISPLAYS DURING OPERATION

ON	("ON" is lit.)	Power on
	("Disc icon" blinks.)	Tray open and closed
	("Disc icon" rotates.)	LOAD
	("Disc icon" rotates.)	During playback
	(A segment on "Disc icon" blinks.)	During pause
	(Two segments on "Disc icon" blink.)	Stop (Resume ON)
	("Disc icon" is lit.)	Stop (Resume OFF)
OFF	("OFF" is lit.)	Power off
NO → disc → -- ---		No disc or error
	("- - - - -" is lit.) - - - - -	ERROR

LOADING THE BATTERIES

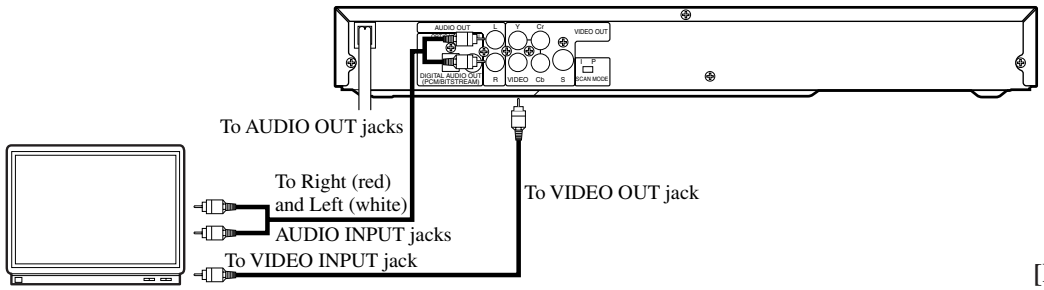
1. Open the battery compartment cover.
2. Insert two AA batteries, with each one oriented correctly.
3. Close the cover.



Notes

- Do not mix alkaline and manganese batteries.
- Do not mix old and new batteries.

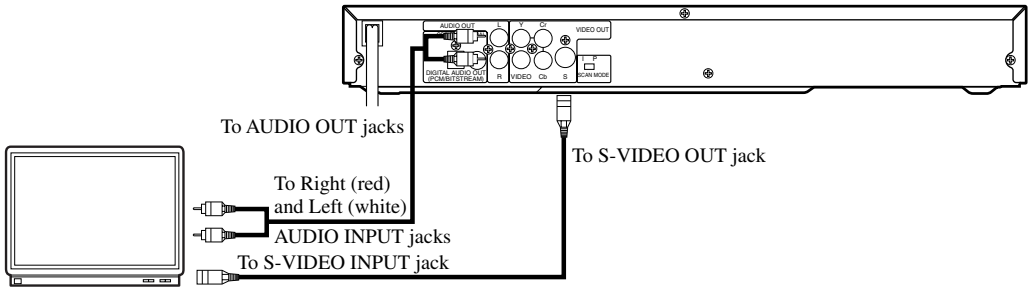
CONNECTING TO A TV



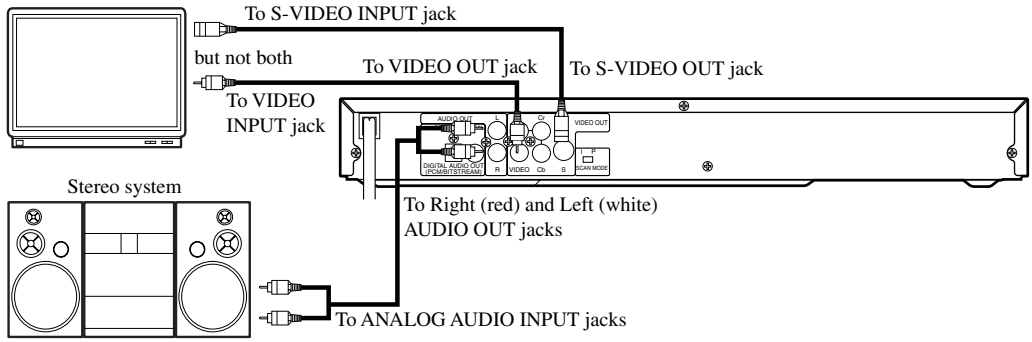
[Fig. 1]

FOR TVs WITH S-VIDEO INPUT JACK

Use an S-Video cable (commercially available) in place of the yellow video cable to enjoy pictures at higher quality.



[Fig. 2]



[Fig. 3]

Notes

- Connect the DVD player directly to a TV. If the A/V cables are connected to a VCR, pictures may be distorted due to the copy protection system.
- Be sure to turn off the power to all components in the system before connecting another component.
- Refer to the Owner's Manuals for your TV, stereo system and any other components to be connected to the DVD player.
- The analog output terminal does not supply DTS sound.

Selecting Progressive Scan (480p) or Interlaced (480i) Playback

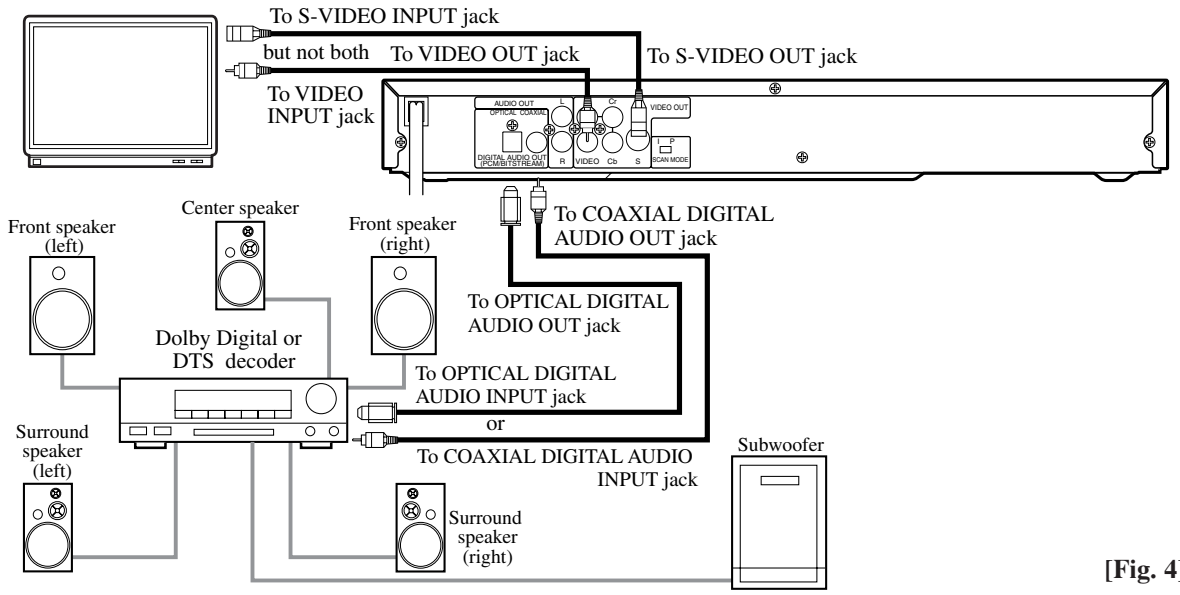
- If your TV is compatible with progressive scanning (480p), connect the TV to the Component Video Output jacks of the DVD player and set the SCAN MODE switch on the back of the DVD player to “P” (PROGRESSIVE). Next, set your TV to the progressive scan mode.
  If your TV is not compatible with progressive scan, keep the SCAN MODE switch to “I” (INTERLACE).
- Use a commercially available adaptor if the video input jacks of your TV or monitor are the BNC type.
- When SCAN MODE switch is set to "P" (PROGRESSIVE), DVD player outputs from Component Video Output Jack (not from VIDEO OUT or S-VIDEO OUT jack).

What is Progressive Scanning?

- Unlike conventional interlace scanning, the progressive scan system provides less flickering and images in higher resolution than that of traditional television signals.
- When P (PROGRESSIVE) is selected, no video signal will be output from the VIDEO OUT, or S-VIDEO OUT jack.

CONNECTING TO A DOLBY DIGITAL DECODER OR DTS DECODER

If using this DVD player to playback a DVD in a 5.1 channel Dolby Digital surround or DTS surround format, the DVD player outputs a Dolby Digital or DTS data stream from its OPTICAL or COAXIAL DIGITAL AUDIO OUT jacks. By hooking the player up to a Dolby Digital or DTS decoder, you can enjoy a more convincing, realistic ambience with powerful and high-quality surround sound of a professional standard, which can be heard in movie theaters.
Use an audio coaxial or optical digital cable (not included) for the audio connections.



[Fig. 4]

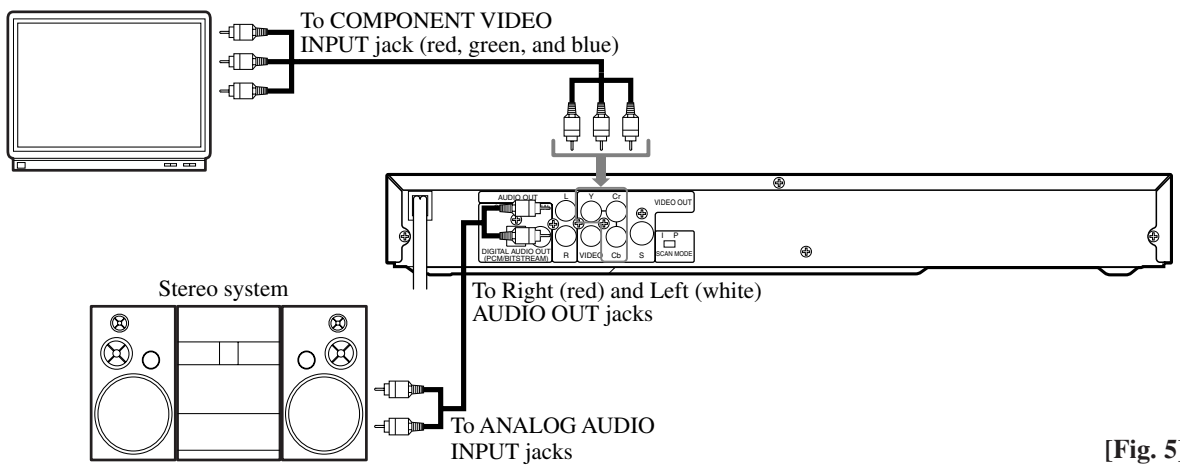
Notes

- Be sure to turn off the power to all components in the system before connecting another component.
- Refer to the Owner's Manuals for the components to be connected to the DVD player.
- If output is Dolby Digital audio, connect to a Dolby Digital decoder and set Dolby Digital to ON for audio output in the setup mode.
- If output is DTS audio, connect to a DTS decoder and set DTS to ON for audio output in the setup mode.
- Unless connected to a Dolby Digital decoder or a DTS decoder, set Dolby Digital or DTS to OFF for audio output in the setup mode. Playing a DVD using incorrect settings may generate noise distortion and may also damage the speakers.

"DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

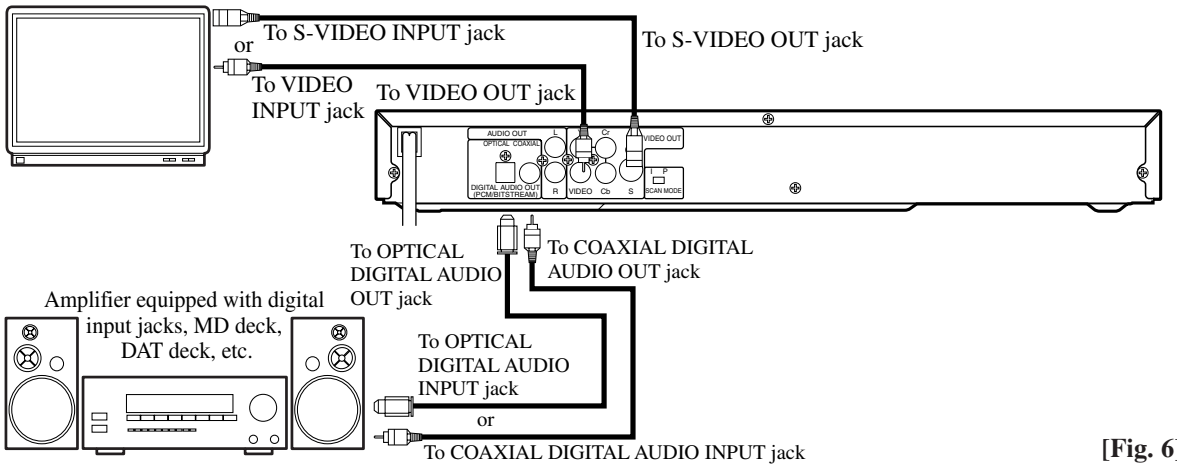
CONNECTING TO A TV OR A STEREO TV THAT HAS COMPONENT VIDEO IN JACKS



[Fig. 5]

CONNECTING TO AN AMPLIFIER EQUIPPED WITH DIGITAL INPUT JACKS SUCH AS MD DECK OR DAT DECK

Use an audio coaxial or optical digital cable (not included) for the audio connections.
Connecting to an amplifier equipped with digital input jacks such as MD Deck or Dat Deck:



[Fig. 6]

Notes

- The audio source on a disc in a 5.1 channel Dolby Digital surround format cannot be recorded as digital sound by an MD or DAT deck.
- Be sure to turn off the power to all components in the system before connecting another component.
- Refer to the Owner's Manuals for the components to be connected to the DVD player.
- Set Dolby Digital and DTS to OFF for audio output in the setup mode. Playing a DVD using incorrect settings may generate noise distortion, and may also damage the speakers (See page 32 to set ON for Dolby Digital and DTS).

HOW TO CONNECT TO A TV WITHOUT AUDIO/VIDEO INPUT JACKS

If your TV does not have RCA type audio and video input jacks, it is still possible to connect this DVD player to your TV's 75-ohm coaxial antenna terminal using a commercially available Stereo Audio/Video RF Modulator that is not included. Connect the audio and video outputs of the DVD player to the audio and video inputs on the RF Modulator, and then connect the coaxial output of the RF Modulator (usually marked "TO TV") to the 75 ohm coaxial antenna terminal on your TV. Follow the instruction supplied with the RF Modulator for more details.

If your TV's 75 ohm coaxial antenna terminal is already occupied by an antenna or cable box connection, remove that cable from your TV's antenna terminal and reconnect it to the coaxial antenna input terminal of the RF Modulator (usually marked "ANT IN"), then connect the RF modulator to your TV's antenna terminal as described above.

Note

- The picture quality from DVD discs will not be as good if the DVD player is connected to the TV's antenna terminal through an RF Modulator.

HINT FOR OPTICAL CABLE (NOT SUPPLIED)

- Optical cable (not supplied) may be damaged when bent at acute angles. Ensure cables are coiled in loops with a diameter of 6 inches or more when storing them.
- Use a cable which is 9.8 feet or shorter.
- Insert cable plugs firmly into the jacks when making connections.
- If a plug has minor scratches or is dirty, clean it with a soft cloth before inserting it into a jack.
- Replace the protective cap on the OPTICAL jack when it is not in use.

PLAYING A DVD VIDEO OR AN AUDIO CD

DVD-V | CD | VCD

Getting started

Turn on the power of the TV, amplifier and any other components which are connected to the DVD player. (Change the input system to suit the DVD player, and check that the sound volume is correct.)

1 Press the POWER button.

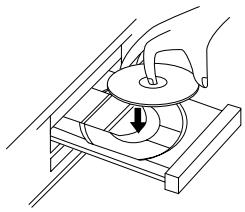
- The power will turn on.

2 Press the OPEN/CLOSE button.

- The disc loading tray will open.

3 Place a disc into the tray.

- Make sure the disc is sitting properly in the correct recess, with the label side up. Discs that are irregularly shaped, contain a scratch protection film, or have any type of sticker or adhesive label should not be inserted.



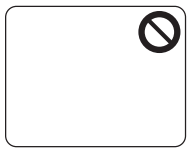
4 Press the PLAY button.

- The tray will close automatically, and playback will then start from the first chapter or track of the disc. You need to press the PLAY button only when the tray has been closed by pressing the OPEN/CLOSE button.
- When you playback a DVD or Video CD which a title menu is recorded, it may appear on the screen. In this case, refer to "USING THE TITLE MENU."

5 Press the STOP button to stop play.

Notes

- A "prohibited icon" may appear at the top-right on the TV screen during operation, warning that a prohibited operation has been encountered by the DVD player or the disc.



- If a disc is dirty or has scratches, the pictures may appear distorted and the playback operation may stop. In such cases, clean the disc and unplug the power cord and then plug it again before resuming playback. Never attempt to play a cracked or broken disc !
- With DVDs that use some titles for playback program signals, playback may start from the second title, or it may skip these titles.
- During the playback of a common two layered disc, pictures may stop for a moment. This happens when the 1st layer switches to the 2nd layer. This is not a malfunction, and is commonly found on pre-recorded discs.
- Operation may vary when you playback DVDs with a disc menu or Video CDs with PBC. Refer to the manual accompanying the disc for details.
- When you playback Video CDs with PBC, the time counter does not appear on the display.

Cancelling PBC (for playback of a Video CD)

1. Insert a Video CD (Playback will start automatically).
2. Press the STOP button.
3. Enter track number of your choice with the numeric buttons.
4. PBC is now cancelled and the playback of the Video CD will start.

USING THE DVD MENUS

DVD-V

Some DVDs contain their own menus, such as a guidance menu which describes the contents of the disc or a selection menu for sound, language and other customized settings.

1 Press the MENU button.

- The DVD menu will appear.

2 Select the desired title.

- Press the arrow buttons (▼/▲/►/◄) to change the setting, and then press the ENTER button.

3 Playback will start from the selected title.

USING THE TITLE MENU

DVD-V

With a DVD containing a title menu, you can select desired titles from the menu.

1 Press the TITLE button.

- The title menu will appear.

2 Select the desired title.

- Press the arrow buttons (▼/▲/►/◄) to change the setting, and then press the ENTER button.

CALLING UP A MENU SCREEN DURING PLAYBACK

For DVDs

- Press the MENU button to call up the DVD menu.
- Press the TITLE button to call up the title menu.

Note

- Contents of menus and corresponding menu operations may vary between discs. Refer to the manual accompanying the disc for details.

VCD

With a Video CD containing a title menu, you can select desired titles from the menu.

1. The title menu will appear.
2. Press the numeric button to select the menu.
   Playback will start.

PAUSING PLAYBACK OR DISPLAYING A STILL PICTURE

DVD-V | CD | MP3 | WMA

1 Press the PAUSE/STEP button during playback.

- Playback will pause, with sound muted.

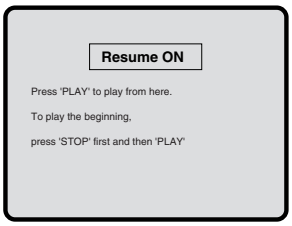
2 Press the PLAY button to resume playback.

RESUMING PLAYBACK FROM THE POINT WHERE PLAYBACK STOPPED

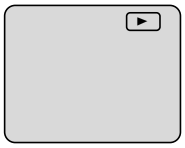
DVD-V | CD | VCD (without PBC function)

1 Press the STOP button during playback.

- Playback will stop, and then the resume message will appear at the center.



2 Press the PLAY button. Playback will start from the point where the previous playback session was stopped.



Note

- The resume function can be reset by pressing the STOP button twice or by opening the disc loading tray.
- Some Video CDs with PBC function resume playback from the beginning of the track.
- The "Resume" information stays in the memory even when the power is turned off.

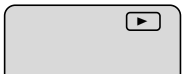
STEPPING THROUGH FRAMES

DVD-V | VCD

1 Press the PAUSE/STEP button while playback is paused.

- The next picture frame is displayed with sound muted each time the button is pressed.

2 Press the PLAY button to resume playback.



Note

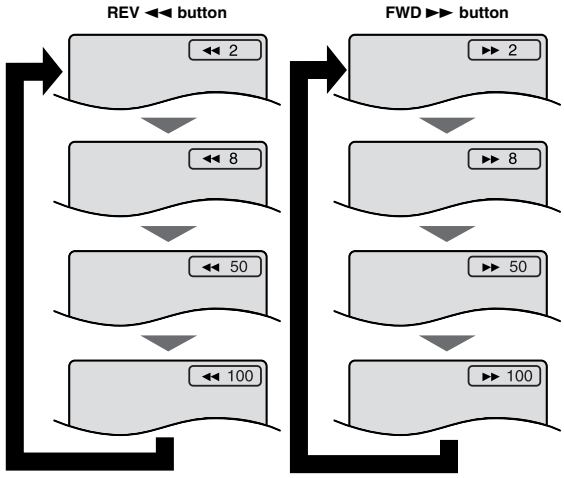
- This machine is not available with a step-back function.

FAST FORWARD/REVERSE

DVD-V | CD | VCD | MP3 | WMA

1 Press the FWD ►► or REV ◄◄ button during playback.

- For DVDs, pressing the FWD ►► or REV ◄◄ button cycles the playback speed in four steps. In case of DVDs, the sound will mute.
- For audio CDs, the playback speed is ×16 fixed.
- For Video CDs, the playback speed is ×2, ×8 and ×30.
- For WMA and MP3, the playback speed is ×8 fixed.



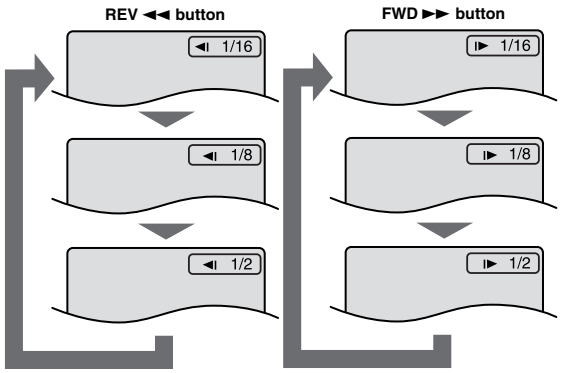
2 Press the PLAY button to return to normal playback speed.

SLOW MOTION

DVD-V | VCD

1 Press the FWD ►► or REV ◄◄ button while playback is paused. (Sound remains muted.)

- Slow motion mode will be activated.
- Pressing the FWD ►► or REV ◄◄ button cycles the playback speed in three steps. Select an appropriate speed while referring to the speed indication on the screen.



2 Press the PLAY button to return to normal playback speed.

Notes

- Slow playback is not available with audio CDs, MP3, WMA.
- Reverse slow motion is not available with Video CD.

STARTING FROM A DESIRED TRACK

CD | VCD (without PBC function)

1 Press the numeric buttons to enter the desired track number.

- The selected track will be located, and playback will start.

You can also press the SEARCH MODE button, by using the numeric buttons to enter the track number.

When the track number is entered in the entry box, playback of the desired track will start automatically.

TRICKS WITH THE SKIP BUTTONS (|◄◄, ►►|)

If the SKIP button ►►| is pressed during playback or while playback is paused, the current track will be skipped and the next track will be played. When the SKIP button |◄◄ is pressed once, the top of the current track will be located for replaying. When the SKIP button |◄◄ is pressed again within 2-seconds after playback begins, the previous track will be located.

PLAYING FROM A DESIRED TITLE OR CHAPTER

DVD-V

1 Press the SEARCH MODE button and then press the numeric buttons to select a title or a chapter.

- Perform the title search and the chapter search after setting them on the same screen at the same time. Changeover by ▲/▼ buttons.

- During playback, press the numeric buttons to select a Chapter. The Chapter will be located and playback will start.
- When playback is stopped, press the numeric buttons to select a Title. The Title will be located and playback will start.

Notes

- Playback from a desired title or chapter is not available with some DVDs.
- Some discs in which the chapter number isn't displayed, can not playback from a desired chapter.

TRICKS WITH THE SKIP BUTTONS (|◄◄, ►►|)

If the SKIP button ►►| is pressed during playback or while playback is paused, the current chapter will be skipped and the next chapter will be played. When the SKIP button |◄◄ is pressed once, the top of the current chapter will be located for replaying. When the SKIP button |◄◄ is pressed again within 2-seconds after playback begins, the previous chapter will be located.

STARTING FROM A DESIRED TIME COUNT

DVD-V | CD | VCD (without PBC function)

1 Press the SEARCH MODE button twice during playback

2 Press the numeric buttons to set the desired time count.

- ***Example:*** 1 hour, 23 minutes and 30 seconds
  1 ▬ 2 ▬ 3 ▬ 3 ▬ 0

Notes

- In the case of DVD, Time Search in Title is effective, but Time Search in Chapter is ineffective.
- In the case of CD and Video CD, Time Search in Track is effective, but Time Search in the entire disc is ineffective.
- Playback from a desired time count is not available with some discs or if the unit is in stop mode.
- If wrong numbers are entered, press the CLEAR button and re-enter the correct numbers.

MARKER SETUP SCREEN

DVD-V | CD | VCD (without PBC function)

Use markers to memorize your favorite places on a disc.

1 Press SEARCH MODE four times (CD: three times) during playback.

- The display screen and Markers will appear on the TV screen.

2 Press ◄ or ► to select 1, 2, 3, 4, 5, 6, 7, 8, 9 or 10 and ensure that "- : - - : - -" appears in the display.

3 When reachs the desired point, press ENTER.

- The Title or Track and elapsed playing time will appear in the TV screen.

4 To return to the Marker later, press SEARCH MODE four times (CD: three times) during playback, and ◄ or ► to choose the desired marker, then press ENTER.

Notes

- Opening the disc tray, turning off the power, or selecting AC at step 2 and pressing ENTER will erase all Markers.
- To clear a marker, using ◄ or ►, position the cursor on to the marker number to be cleared and press CLEAR.
- You can mark up to 10 points.

5 Press SEARCH MODE or RETURN to exit.

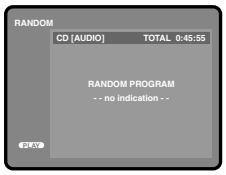
RANDOM (Audio CD)

CD

1 Press the MODE button in stop mode.

- The program setting menu screen will appear.

2 Press the MODE button again.



3 Press the PLAY button. Random playback will then start.

Note

- Program playback is not available during random playback.

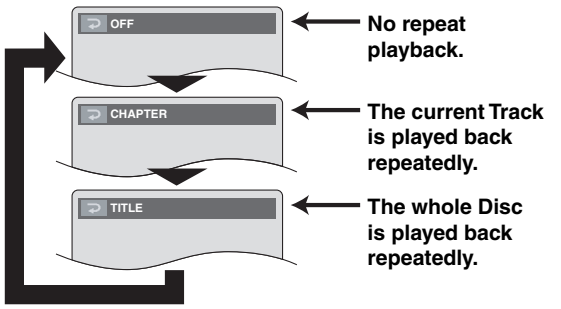
REPEAT

DVD-V | CD | VCD (without PBC function)

1 Press the REPEAT button.

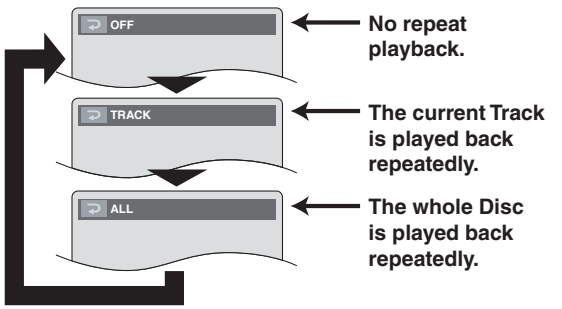
For DVDs

- A single title or chapter is played back repeatedly.
- Pressing the REPEAT button cycles the display on the screen as follows.



For audio CDs or Video CDs

- The whole disc or a single track is played back repeatedly.
- Pressing the REPEAT button cycles the display on the screen through **Off, Track** and **All**.



If the REPEAT button is pressed once during program/random playback, the current track is played back repeatedly.

If the REPEAT button is pressed again, the program/random playback is performed repeatedly.

Notes

- Repeat playback is not available with some discs.
- The REPEAT setting will be cleared when moving to another title, chapter or track.
- Repeat playback does not function during A-B repeat playback.
- Repeat playback is not available when you play the Video CD with PBC function.

A-B REPEAT

DVD-V | CD | VCD

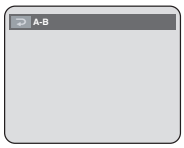
You can define a section to be played back repeatedly.

1 Press the A-B REPEAT button during playback.

- The starting point (A) will then be selected.

2 Press the A-B REPEAT button again at the end point (B) of the desired section.

- The selected section will be played back repeatedly.



3 To exit A-B repeat playback, press the A-B REPEAT button and set it to OFF.

Notes

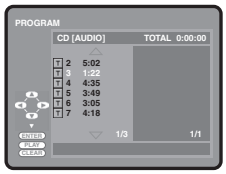
- With DVDs, the A-B repeat section can be set only within the current title.
- With audio CDs and Video CDs, the A-B repeat section can be set within the current track.
- A-B repeat is not available with some scenes in certain DVDs.
- To cancel the A point which was set, press the CLEAR button.
- A-B repeat playback does not function during title, chapter, track or all repeat playback set.

PROGRAM (Audio CD)

CD

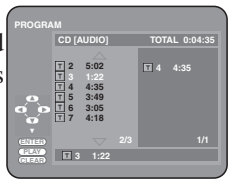
1 Press the MODE button in stop mode.

- The program screen will appear.



2 Press the numeric buttons to enter the desired track numbers.

- 50 programs can be displayed at once on the screen. Press "▶▶|" to go to the next page.



3 Press the PLAY button.

- Playback will start in the programmed order.
- While the program is being played back, the STOP button works as follows:
  Press the STOP button once and then the PLAY button again, and playback will restart from the point where the STOP button was pressed (Program continued).
  Press the STOP button twice and then the PLAY button again, and playback will restart from the track in the usual way (Program cleared).

Notes

- Adding programs is not possible during program playback. You must stop the current playback before such operations can be carried out.
- Press the CLEAR button to cancel a program. The most recently entered program will then be deleted.
- Up to 99 programs can be entered.
- Playback from a desired track and random playback are not available during program playback.
- Program settings are cleared when the power is turned off or the disc loading tray is opened.

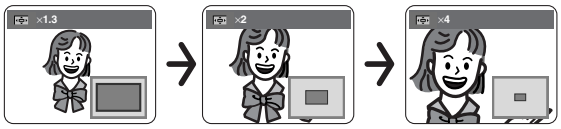
ZOOM PLAYBACK (enlargement on-screen)

DVD-V VCD

Images can be enlarged on the screen to your taste.

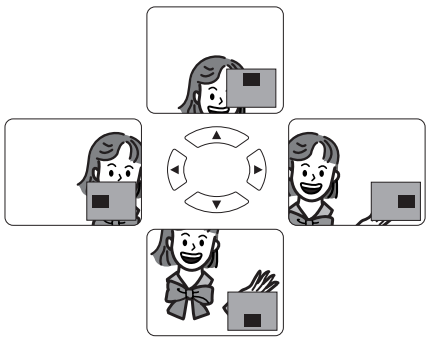
1 Press the ZOOM button during playback.

- An image will be enlarged at the center of the screen.
- Pressing the ZOOM button cycles the zooming images in three steps.



2 When the Arrow (▲/▼/◄/►) button is pressed during zoom play, the part to be zoomed moves.

- The zooming frame can be moved from the center 4 steps to the right, 4 steps to the left, 4 steps to the top, and 4 steps to the bottom when 2 time zooming. The frames will move 6 steps when 4 time zooming. (In the 1.3-time zoom display, just one step can be shifted up and down as well as right and left.)
- Current position will be displayed on the right bottom of the screen. Press the ENTER button, and the display disappears.



Notes

- Zooming function does not work while disc menu is shown.
- ×4 zoom is not available on some discs.
- For Video CDs, only 2 times zooming is available.

PLAYING MP3 / JPEG IMAGE, WMA AND PICTURE CD

MP3 **JPEG** **WMA** **Picture CD**

This machine can reproduce images and sounds from data recorded in MP3, JPEG and WMA formats on CD-ROM, CD-R and CD-RW disks.
The machine can also run Picture CD dealt by Kodak Inc. The user can enjoy picture images on their television set by reproducing Picture CDs.
* Picture CD is a service that converts photograghs taken by conventional film camera into digital data and writes the data on a CD.

For details on Picture CD, contact a shop that deals with the developing service of Kodak Inc.

Information on MP3, JPEG and WMA discs
- A file with an extension of ".mp3 (MP3)" is called an "MP3 file".
- A file with an extension of ".jpg (JPG)" or ".jpeg (JPEG)" is called a "JPEG file".
  The machine can run an image file conforming to the Exif* specification.

* This is a file format, Exchangeable Image File format established by Japanese Electronic Industry Development Association (JEIDA).

- A file with an extension of ".wma (WMA)" is called a "WMA file".
- Files whose extension is other than ".mp3 (MP3)", ".jpg (JPG)", ".jpeg (JPEG)" and ".wma (WMA)" will not be listed in the MP3, JPEG, or WMA menu.
- If the file is not recorded in MP3, JPEG or WMA format, noise may be produced even if the file extension is either of ".mp3 (MP3)", ".jpg (JPG)", ".jpeg (JPEG)" and ".wma (WMA)".

1 Insert a disc.

For discs on which MP3, JPEG or WMA tracks are recorded:

- An MP3, JPEG or WMA track menu screen appears.
- A symbol of "▣" is shown on the top of the group name.
- A symbol of "♪" is shown on the top of MP3 files.
- A symbol of "◉" is shown on the top of JPEG files.
- A symbol of "♪" is shown on the top of WMA files.
- If the picture extends beyond the scope of screen, a down arrow "▼" appears, indicating that the user can view another part of the picture on the next page. If an up arrow "▲" appears, it indicates that the user can view another part on the previous page. The current page number and the number of total pages are shown on the right of the down arrow "▼".
- The system can recognize up to 255 groups (or folders) and up to 256 tracks. (This applies to the case where mixed MP3, JPEG and WMA files are recorded.)
- If no MP3, JPEG or WMA files are found in the group, the group is not displayed.
- The machine can reproduce data recorded as per ISO 9660 Level 1, Level 2 or Joliet on the disc.
- It can also run a disc on which data is recorded in a multi-session.
- For more details of recording systems, see the instruction manual for the CD-R / CD-RW drive or the writing software.

Applicable MP3 file		Remarks
Sampling frequency	44.1kHz 48kHz	• It is prohibited to record MP3 sound on a digital device when connection is made digitally.
Type	MPEG1 audio layer 3	• MP3 files recorded at constant bit rate of 128 kbps or higher are recommended.

Applicable JPEG file		Remarks
Size of image	Upper limit: 6300×5100 dots Lower limit: 32×32 dots	• A JPEG image that extends beyond the screen is reduced so that it will be displayed within the screen.

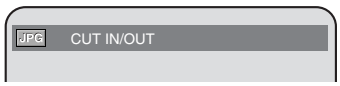
Applicable WMA file		Remarks
Sampling frequency	44.1kHz 48kHz	• Those frequencies are applicable to WMA version 8 only, not to WMA version 9. • It is prohibited to record WMA sound on a digital device when connection is made digitally.
Bit rate	48–192kbps 128kbps recommended	• Ensure that the copyright function is set to off when preparing a WMA disc.
Type	WMA version 8	• A prohibition "disable" symbol will appear if the user attempts to run a copyright-protected file.

Slide show mode switching of JPEG Picture CD

This machine can switch the slide show modes.

1 Press the MODE button during JPEG or Picture CD playback.

- The slide show mode screen appears.



- The slide show mode cannot be switched when it is stopped, or from the file list screen or the Picture CD menu screen.

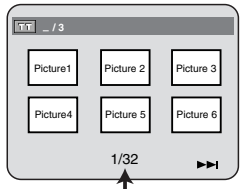
2 Press the ENTER button.

- The slide show mode will change.
  1: CUT IN/OUT: The entire image appears in one time.
  2: FADE IN/OUT: The image appears gradually and then disappears.

3 Press the MODE button to get out from mode.

For discs of Picture CD:

- A Picture CD menu appears.
- If all menu items cannot be displayed in the screen scope, a prompt symbol "▶▶|" appears at the right bottom of the screen, indicating that the user can view remaining items on the next page. If another prompt symbol "|◀◀" appears, it indicates that the user can view other items on the previous page. The track number of the currently highlighted item and the total tracks are shown at the center bottom of the screen.



- If a prompt symbol "▶▶|" is shown at the buttom right, use the ▶▶| button to view the next page. If another prompt symbol "|◀◀" is shown at the buttom left, use the |◀◀ button to view the previous page.
- It may take some time until all menu items are displayed on the menu screen.

2 **Using the ▲/▼ buttons, (for Picture CD, ◀/▶/▲/▼ buttons), select your desired track to be played, and press the PLAY or ENTER button.**

[If an MP3 or WMA file is selected:]
Playback will start from the selected track and go to the next one in turn.

[If a JPEG or Picture CD file is selected:]
An image will be played back from the selected track and go to the next one in turn.
A track is displayed for five seconds and then the next track is displayed.
Every press on the ▶ button will turn the image clockwise by 90 degrees when an image is displayed.
A press on the ◀ will turn the image counterclockwise by 90 degrees.

Zoom replay of JPEG, Picture CD

1 **Press ZOOM button during replay.**

- The screen is displayed at two magnifications with the pause state established.

2 **Press the Arrow (▲/▼/◀/▶) button to move the indication position.**

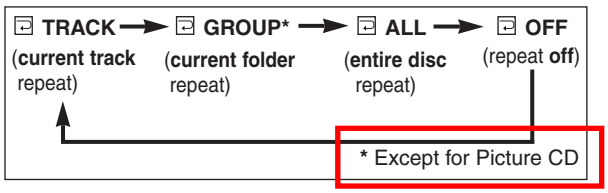
3 **For zoom mode resetting, press ZOOM button to turn it OFF.**

- Reset Pause to regenerate the next screen.

Notes

- JPEG, Picture CD can not be zoomed at 4 magnifications.
- If any screen zoomed at 2 magnifications in JPEG is fully displayed in the screen, the indication position can not be moved with the Arrow (▲/▼/◀/▶) button.
- The number of movable steps is different depending on the screen size. (Maximum: 4 steps up-/downward and left-/rightward)
- The zoomed screen can not be rotated for display. First rotate the screen for display, and then press ZOOM button.

Repeated replay of JPEG, Picture CD



[If Group is selected:]
Using the ▲/▼ buttons, select your desired group, and then press ▶, PLAY or ENTER button to select a track.
If you press the PLAY or ENTER button, playback of the picture will start.

Notes on MP3, JPEG and WMA

- Select "FIRST PLAY" and press the PLAY button, playback from the top of the disc in the order of tracks and groups.
- The ninth and deeper hierarchies cannot be played.
- The name of group and track can be displayed in up to 25 characters. Alphabets, numerals underline, asterisk or space may not be displayed. Unrecognizable characters will be replaced with asterisks.
- Un-reproducible groups or tracks may be displayed depending on the recording conditions.
- If the TITLE button is pressed when a file list is displayed, "FIRST PLAY" will be highlighted.

3 **To stop the play, press the STOP button.**

Notes on Picture CD

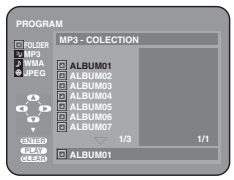
- A press on the STOP button will highlight the previously displayed track on the menu screen. Press the STOP button again or press the TITLE button, and the menu screen displays Tracks 1 to 6, where Track 1 is highlighted.

PLAYING MP3 DISC/JPEG DISC/WMA/PICTURE CD IN A PROGRAMMED WAY

MP3 **JPEG** **WMA** **Picture CD**

1 Press the MODE button in STOP mode.

- The program screen shows up.

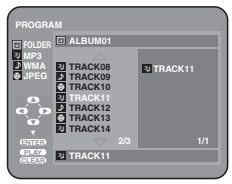


2 Using the ▲/▼ buttons, select a group. Then press the ENTER button.

- A Track selection screen appears.

3 Using the ▲/▼ buttons, select a track. Then press the ENTER button to save it in a program.

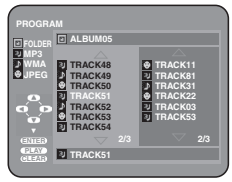
- The programmed track is displayed in the right-hand screen.
- If the entire program cannot be displayed at once on the screen, "▼" appears to go to the next page.
- Pressing the ◀ button will show a list of folders that belong to the one-level upper hierarchy than the currently selected folder.



- Nothing will be displayed in the case of Picture CD.

4 When the disc has been programmed, press the PLAY button.

- Programmed play starts.



Notes

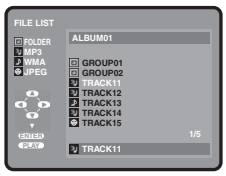
- Press the CLEAR button, and the last-programmed entry will be deleted.
- Press the RETURN button, and the STOP screen will show up with the program contents in memory.
- To stop programmed play, press the STOP button. Another press on the STOP button will reset the subsequent information.
- The program setting will be cancelled when the power is turned off or the disc tray is opened.
- Up to 99 tracks can be set in a program.
- If a disc in inserted that contains mixed MP3, JPEG and WMA files, program setting allows 99 tracks for combination of MP3, JPEG and WMA files.
- If eight or more tracks have been set in a program, the user can switch the right part of the screen with |◀◀ or ▶▶|.

PLAYING AN MP3 DISC/JPEG DISC/WMA DISC FROM A DESIRED TRACK

MP3 **JPEG** **WMA**

1 Press the SEARCH MODE button.

- The SEARCH menu shows up.



2 Using the ▲/▼ buttons, select a track to be played. Then press the PLAY or ENTER button to start playing.

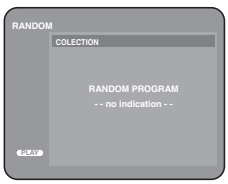
Notes

- During play, a desired track can be directly searched. Just type in the TRACK number with the numeric buttons.
- If the typed TRACK number is not available, the "disable" symbol appears and the direct search mode is cancelled.
- Playback cannot be started from a desired time count.
- Pressing the ▶▶| or |◀◀ button will play the next or previous file.
- The SEARCH button is not effective for Picture CD.

PLAYING AN MP3 DISC/JPEG DISC/WMA DISC /PICTURE CD AT RANDOM

MP3 **JPEG** **WMA** **Picture CD**

1 Press the MODE button twice in STOP mode.



2 Press the PLAY button.

- Random play starts.
- For a disc containing mixed MP3, JPEG and WMA files, random play of those files will be performed.

CHANGING THE AUDIO LANGUAGE OR SOUND MODE

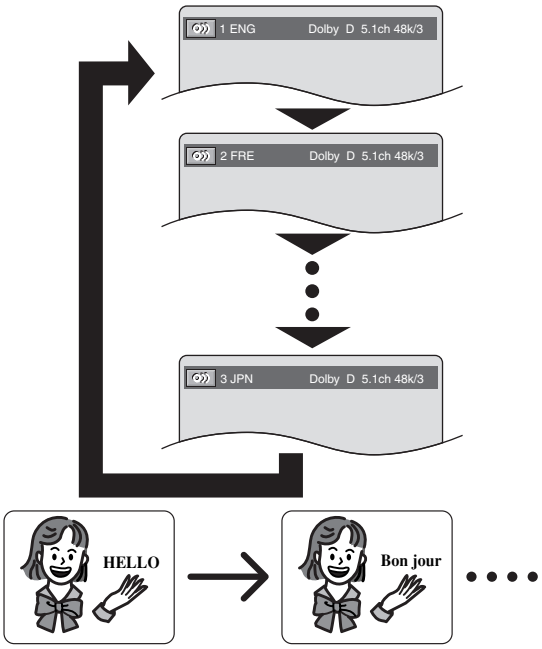
DVD-V | CD | VCD

This DVD player has a function which allows you to select the desired audio language and sound mode.

For DVDs

Press the AUDIO button during playback, and then press the AUDIO button to select the desired audio language.

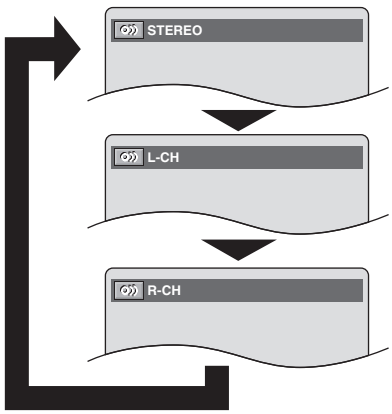
- The audio language can be changed if multiple languages are recorded on the DVD being played.



For audio CDs

Press the AUDIO button during playback.

- Pressing the AUDIO button cycles the sound mode through STEREO, L-CH and R-CH.



Notes

- Pressing the Audio button may not work on some DVDs with multiple audio languages (e.g. DVDs which allow audio language setting on the disc menu). Operation varies between discs, so refer to the manual accompanying the disc.
- Current audio language and sound mode will be displayed when you press the AUDIO button at first.
- If a desired language is not shown after pressing the Audio button several times, the disc does not have an audio source in that language.
- If you choose a Language that has a 3 letter language code, the code will be displayed every time you change the Audio language setting. If you choose any other languages, '---' will be displayed instead. (Refer to page 30.)
- The audio language resets to the one which has been selected in the setup mode, every time the power is turned on or discs are replaced. If that language is not available on a disc, a language defined by the disc is selected.
- The screen display will disappear after about 5 seconds.
- DTS CD does not allow the user to switch the sound mode.

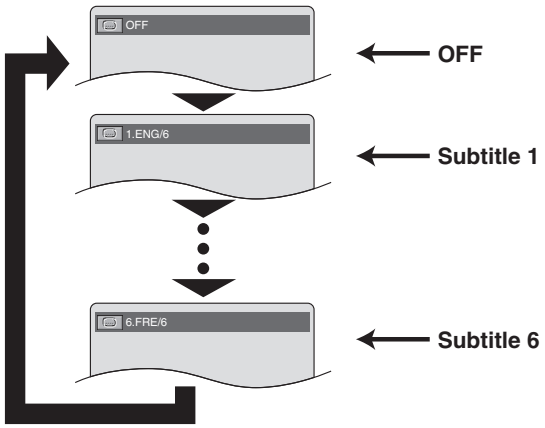
CHANGING THE SUBTITLE LANGUAGE

DVD-V

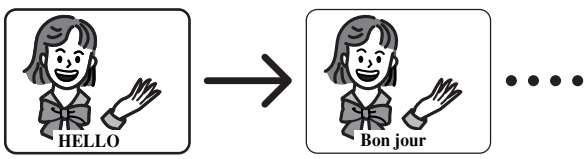
This DVD player has a function which allows you to select the desired language for subtitles.

1 Press the SUBTITLE button during playback, and then press the SUBTITLE button to select the desired subtitle language.

- The subtitle language can be changed if the subtitles are recorded in multiple languages on the DVD being played.
- The subtitle language cannot be changed if the subtitles are recorded in a single language on the DVD being played.



- Pressing the SUBTITLE button cycles the subtitle language from SUBTITLE 1, SUBTITLE 2 and all the languages recorded.
- Current subtitle mode will be displayed when you press the SUBTITLE button at first.
- Press the SUBTITLE button, and then press the cursor (◄/►) button to set it to on or off.



Notes

- Some discs allow subtitle language setting on the disc menu. (Operation varies between discs, so refer to the manual accompanying the disc.)
- If the desired language is not shown after pressing the SUBTITLE button several times, the disc does not have subtitles in that language.
- If you choose a Language that has a 3 letter language code, the code will be displayed every time you change the Subtitle language setting. If you choose any other languages, '---' will be displayed instead. (Refer to page 30.)
- The subtitle language resets to the one which has been selected in the setup mode, every time the power is turned on or discs are replaced. If that language is not available on a disc, a language defined by the disc is selected.
- It may take time to display the subtitles in the selected language.
- The screen display will disappear after about 5 seconds.
- When "SUBTITLE NOT AVAILABLE" appears on-screen, it means no subtitle is recorded on the scene.

CHANGING THE CAMERA ANGLE (Multi-Angle Pictures)

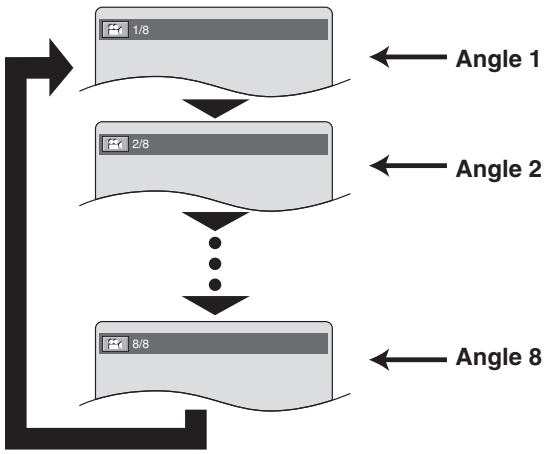
DVD-V

This DVD player has a function which allows you to select the desired camera angle.

1 Press the ANGLE button during playback.

- If the disc contains sequences recorded from different camera angles, the angle icon ( ) will appear at the top-right of the screen. You can change the camera angle when the icon appears on the screen.
- The camera angle cannot be changed if the disc does not contain sequences recorded from different camera angles.

2 Press the ANGLE button while the angle number is shown on the screen.



Notes

- The screen display will disappear after about 5 seconds.
- Current camera angle will be displayed when you press the ANGLE button at first.

CHANGING THE ON-SCREEN DISPLAY

DVD-V | **CD** | **MP3** | **JPEG** | **WMA**

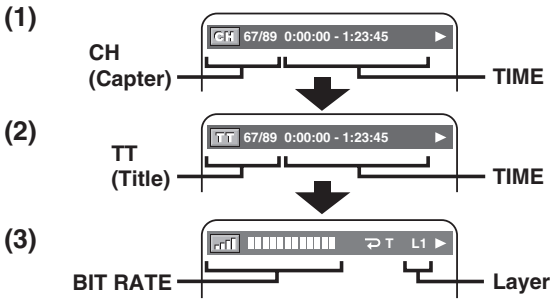
Picture CD

You can check the information about the disc by pressing the DISPLAY button on the remote control.

1 Press the DISPLAY button during playback.

- The information screen will appear.
- Next information screen will appear by pressing the DISPLAY button repeatedly.

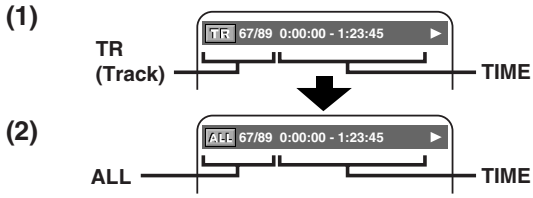
For DVDs



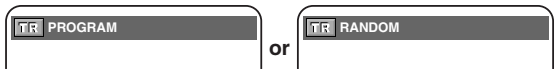
(1)	CH	Current chapter number/the number of total chapter
	TIME	Elapsed time of the current chapter and remaining time of the current chapter
(2)	TT	Current title number/the number of total titles
	TIME	Elapsed time of the current title and remaining time of the current title
(3)	BIT RATE	Shows the quantity of information which is recorded (DVD only).
	Repeat	The repeat status of the currently played item is displayed (Not displayed if repeat has not been selected)
	Layer	Layer number L0: Layer 0 is playing back L1: Layer 1 is playing back

Either press the RETURN key or press the DISPLAY key until the display disappears.

For audio CDs or Video CDs



Program/Random Playback only (For audio CD)

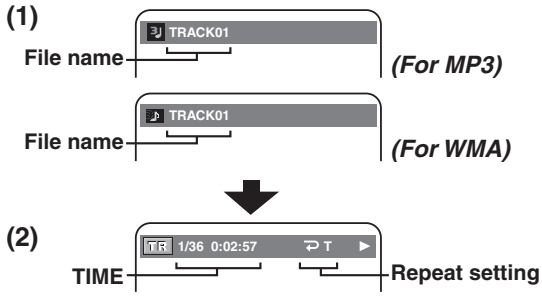


(1)	TR	Current track number/the number of total tracks
	TIME	Elapsed time of the current track and remaining time of the current track
(2)	ALL	Current track number/the number of total tracks
	TIME	Elapsed time of the current disc and remaining time of the current disc

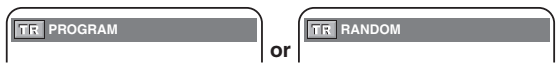
Either press the RETURN key or press the DISPLAY key until the display disappears.

- Note that the time is not displayed during PBC playback.

For MP3s or WMAs



(3) Program/Random Playback only

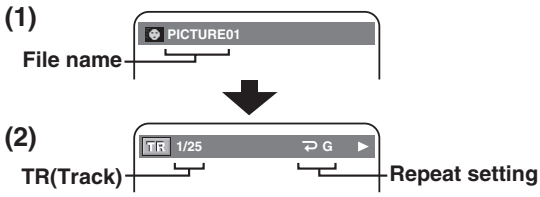


(1)	File name	Name of currently played track
(2)	TR	Current track number/the number of total tracks
	TIME	Elapsed time of the current track and remaining time of the current track
	Repeat	The repeat status of the currently played item is displayed (Not displayed if repeat has not been selected) T: Track; G: Group; A: All

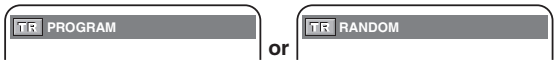
The user can change the setting of repeat play by pressing the REPEAT button.

Either press the RETURN key or press the DISPLAY key until the display disappears.

For JPEGs or Picture CDs



(3) Program/Random Playback only



(1)	File name	Name of currently played track
(2)	TR	Current track number/the number of total tracks
	Repeat	The repeat status of the currently played item is displayed (Not displayed if repeat has not been selected) T: Track; G: Group (only for JPEG); A: All

SETTING IMAGE QUALITY ADJUSTMENT

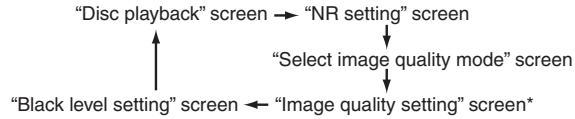
VCD DVD-V

1 Press the MODE button during playback.

- The setup screen will appear.

2 Select from items

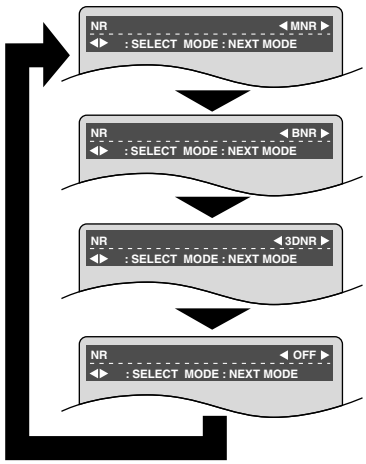
- Every press on the MODE button switches setting screens in the following order:



* The "Image quality setting" screen appears only when "User" has been selected in "Image quality adjustment" on the "Select image quality mode" screen.

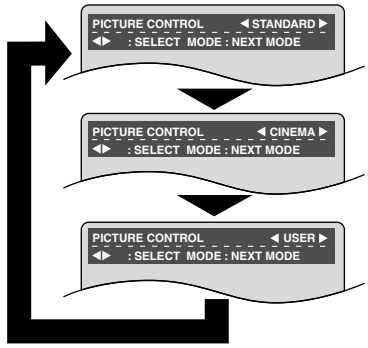
NR setting

Press the ◄/► buttons to switch the setting items.



Select image quality mode

Press the ◄/► buttons to switch the setting items.

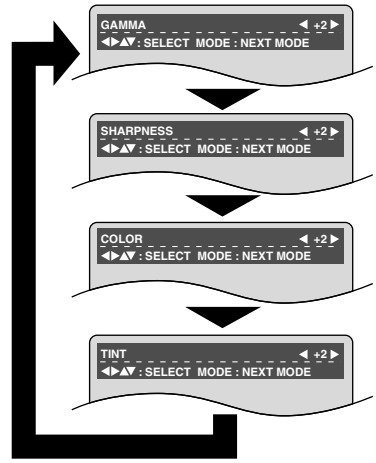

PICTURE CONTROL ◄ STANDARD ►
◄► : SELECT MODE : NEXT MODE
PICTURE CONTROL ◄ CINEMA ►
◄► : SELECT MODE : NEXT MODE
PICTURE CONTROL ◄ USER ►
◄► : SELECT MODE : NEXT MODE

STANDARD: A standard image quality mode
CINEMA: The image quality mode for movie pictures providing easy view of dark scenes.
USER: Image quality mode that can be adjusted freely by user setting.

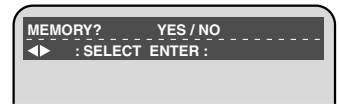
Setting image quality

- The "Image quality setting" screen appears only when "User" has been selected in "Image quality adjustment" on "Select image quality modes" screen.

1. Press the ◄/► buttons to change the value.
2. Press the ▲/▼ buttons to switch items.



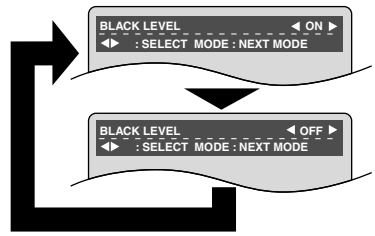
3. Press the RETURN button to save the change.



Press the ◄/► buttons, and select "Yes" if you want to save the change, and "No" if not, and then press the ENTER button.

Select image quality mode

Press the ◄/► buttons to switch the setting items.



2 Press the MODE or RETURN button.

- This completes the setting, displaying the normal screen.

LANGUAGE SETTINGS

DVD-V

1 Press the SETUP button in STOP mode.

- The setup screen will appear.

2 Press the ◀/▶ buttons to select CUSTOM, and then press the ENTER button.

3 Press the ◀/▶ buttons to select Language, and then press the ENTER button.

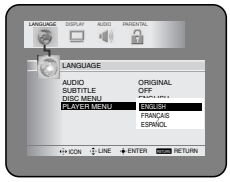
4 Press the ▲/▼ buttons to select an item, and then press the ENTER button.

AUDIO:
(Voice is played back in selected language.)

SUBTITLE:
(Subtitles are shown in selected language.)

DISC MENU:
(The disc menu appears in selected language.)

PLAYER MENU (It can be also set by QUICK SETUP):
(The on-screen display appears in selected language.)



5 Press the ▲/▼ buttons to select a desired item, and then press the ENTER button.

- If "OTHER" is selected on the AUDIO, SUBTITLE or DISC MENU setting screen, the Language Code setting screen will appear. Press the numeric buttons to enter the desired language code while referring to the list on page 30.

6 Press the SETUP button.

- The setup mode will be cancelled and the ordinary screen will appear.

Notes

- Language Setting for Audio and Subtitle is not available with some discs. Use the Audio and Subtitle buttons. Details are on pages 24 and 25.

LANGUAGE CODE LIST

Language	Country code
Afar	4747
Abkhazian	4748
Afrikaans	4752
Amharic	4759
Arabic	4764
Assamese	4765
Aymara	4771
Azerbaijani	4772
Bashkir	4847
Byelorussian	4851
Bulgarian	4853
Bihari	4854
Bislama	4855
Bengali;Bangla	4860
Tibetan	4861
Breton	4864
Catalan	4947
Corsican	4961
Czech	4965
Welsh	4971
Danish [DAN]	5047
German [GER]	5051
Bhutani	5072
Greek [GRE]	5158
English [ENG]	5160
Esperanto	5161
Spanish [SPA]	5165
Estonian	5166
Basque	5167
Persian	5247
Finnish [FIN]	5255
Fiji	5256
Faroese	5261
French [FRE]	5264
Frisian	5271
Irish [IRI]	5347
Scots Gaelic	5350
Galician	5358
Guarani	5360
Gujarati	5367
Hausa	5447
Hindi	5455
Croatian	5464
Hungarian [HUN]	5467
Armenian	5471

Language	Country code
Interlingua	5547
Interlingue	5551
Inupiak	5557
Indonesian	5560
Icelandic [ICE]	5565
Italian [ITA]	5566
Hebrew	5569
Japanese	5647
Yiddish	5655
Japanese [JPN]	5669
Georgian	5747
Kazakh	5757
Greenlandic	5758
Cambodian	5759
Kannada	5760
Korean [KOR]	5761
Kashmiri	5765
Kurdish	5767
Kirghiz	5771
Latin	5847
Lingala	5860
Laothian	5861
Lithuanian	5866
Latvian;Lettish	5868
Malagasy	5953
Maori	5955
Macedonian	5957
Malayalam	5958
Mongolian	5960
Moldavian	5961
Marathi	5964
Malay	5965
Maltese	5966
Burmese	5971
Nauru	6047
Nepali	6051
Dutch [DUT]	6058
Norwegian [NOR]	6061
Occitan	6149
(Afan)Oromo	6159
Oriya	6164
Panjabi	6247
Polish	6258
Pashto;Pushto	6265
Portuguese [POR]	6266

Language	Country code
Quechua	6367
Rhaeto-Romance	6459
Kirundi	6460
Romanian [RUM]	6461
Russian [RUS]	6467
Kinyarwanda	6469
Sanskrit	6547
Sindhi	6550
Sangho	6553
Serbo-Croatian	6554
Singhalese	6555
Slovak	6557
Slovenian	6558
Samoan	6559
Shona	6560
Somali	6561
Albanian	6563
Serbian	6564
Siswat	6565
Sesotho	6566
Sundanese	6567
Swedish [SWE]	6568
Swahili	6569
Tamil	6647
Telugu	6651
Tajik	6653
Thai	6654
Tigrinya	6655
Turkmen	6657
Tagalog	6658
Setswana	6660
Tonga	6661
Turkish [TUR]	6664
Tsonga	6665
Tatar	6666
Twi	6669
Ukrainian	6757
Urdu	6764
Uzbek	6772
Vietnamese	6855
Volapuk	6861
Wolof	6961
Xhosa	7054
Yoruba	7161
Chinese [CHI]	7254
Zulu	7267

If you choose a Language that has a 3 letter language code, the code will be displayed every time you change the Audio or Subtitle language setting on pages 24 and 25. If you choose any other languages, '---' will be displayed instead. (3 letter language code is written in bracket.)

DISPLAY SETTINGS

DVD-V

1 Press the SETUP button in STOP mode.

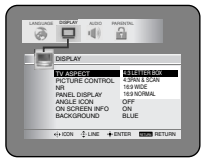
- The setup screen will appear.

2 Press the ◀/▶ buttons to select CUSTOM, and then press the ENTER button.

3 Press the ◀/▶ buttons to select DISPLAY and then press the ENTER button.

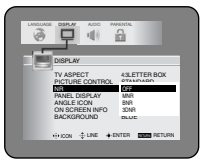
4 Press the ▲/▼ buttons to select an item, and then press the ENTER button.

TV ASPECT (Default : 4:3 LETTER BOX)
(It can be also set by QUICK SETUP)
4:3 LETTER BOX: Wide screen with black bars on top and bottom
4:3 PAN & SCAN: Full height picture, trimmed both sides
16:9 WIDE : If wide screen TV is connected
16:9 NORMAL : 4:3 image will be displayed on the 16:9 screen.

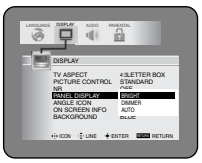


PICTURE CONTROL (Default: STANDARD)
Sets the image to display, to an easy-to-see status.

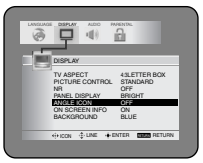
NR (noise reduction) (Default: OFF)
OFF: Plays back without compensation.
MNR: Reduces the mosquito noise (noise generated at profile of image during MPEG compression).
BNR: Reduces the block noise.
3DNR: Reduce the stirring and twinkling of the screen.

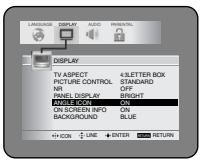


PANEL DISPLAY (Default : BRIGHT)
Adjust the brightness of the unit's display.
Auto: Stays dim only during playback.



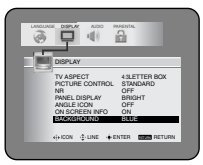
ANGLE ICON (Default : ON)
Display the Angle icon on the screen.

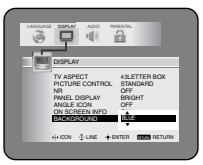




ON SCREEN INFO (Default: ON)
Displays the play-back mark, etc. on the screen.

BACKGROUND COLOR (Default : BLUE)
Select blue or gray.





5 (If you selected TV ASPECT, NR or PANEL DISPLAY)
Press the ▲/▼ buttons to select a desired item, and then press the ENTER button.
(If you selected ANGLE ICON)
Press the ENTER button.

6 Press the SETUP button.

- The setup mode will be cancelled and the ordinary screen will appear.

Note

- Selecting a different mode is only effective if it is available on the Disc.

AUDIO SETTINGS

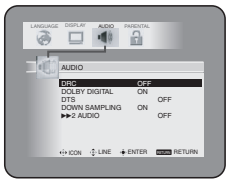
DVD-V

1 Press the SETUP button in STOP mode.

- The setup screen will appear.

2 Press the ◀/▶ buttons to select CUSTOM, and then press the ENTER button.

3 Press the ◀/▶ buttons to select AUDIO and then press the ENTER button.



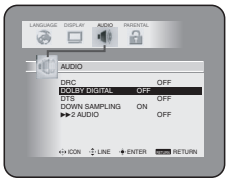
4 Press the ▲/▼ buttons to select an item, and then press the ENTER button.

DRC (Default : OFF)

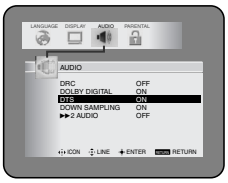
ON : DRC (Dynamic Range Control)

- This function is for controlling the range of sound volume. By compressing the range of sound volume, it is possible not only to suppress the output of loud sound at night and but also to raise the volume of low sound.
- This function is effective only for the sound recorded by Dolby Digital recording.

Dolby Digital (default : ON)
(It can be also set by QUICK SETUP)
ON : Output by Dolby Digital
Set to On when the unit is connected to Dolby Digital Decoder.

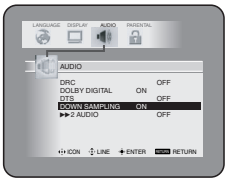


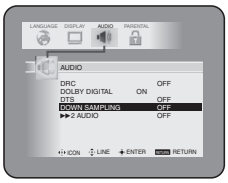
DTS (Default: OFF)(It can be also set by QUICK SETUP)
ON : Selected when the DTS decoder is connected digitally to the amplifier installed.
OFF : Selected when the DTS decoder is connected to the amplifier incompatible to the DTS. In this case, the DTS track is not output.



Down Sampling (Default : ON)
Set the output for the DVD recorded in PCM 96kHz (96kHz or 48kHz)

- Press the ▲/▼ buttons to select an item, and then press the ENTER button.

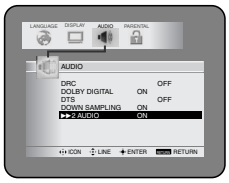




When playing a disc with copyright protection

- If you select ON, copyright protection will be activated and no sound will come out. If you select OFF, sound will be down sampled at 48kHz.

▶▶2 audio (Default : OFF)
Sets the output/non-output of sound when the playback speed is x2.



5 Press the SETUP button.

- The setup mode will be cancelled and the ordinary screen will appear.

PARENTAL LOCK

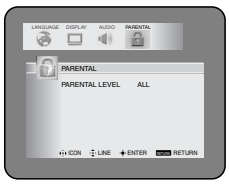
DVD-V

1 Press the SETUP button in STOP mode.

- The setup screen will appear.

2 Press the ◄/► buttons to select CUSTOM, and then press the ENTER button.

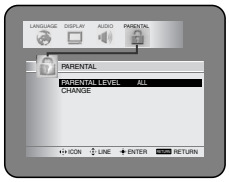
3 Press the ◄/► buttons to select PARENTAL, and then press the ENTER button.



4 Press the numeric buttons to enter the 4-digit password, and then press the ENTER button.

- When doing this for the first time, enter any 4 digits. (except for 4737) That number will be used as the password from the second time onward.
- By entering the password, you can then change the control level and password settings.

5 Press the ▲/▼ buttons to select an item, and then press the ENTER button.



When "PARENTAL LEVEL" is selected

- Press the ▲/▼ buttons to select an item from "ALL" or 8 to 1 and then press the ENTER button.

ALL

All parental lock is cancelled.

Level 8

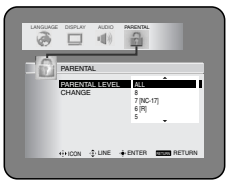
DVD software of any grade (adult/general/children) can be played back.

Levels 7 to 2

Only DVD software intended for general use and children can be played back.

Level 1

Only DVD software intended for children can be played back, with those intended for adult and general use prohibited.



When "CHANGE" is selected

- Press the numeric buttons to enter the 4 digits password. Then press the ENTER button.

6 Press the SETUP button.

- The setup mode will be cancelled and the ordinary screen will appear.

Notes

- With some DVDs, it may be difficult to find if they are compatible with parental lock. Be sure to check if the parental lock function operates in the way that you have set.
- Record the password in case you forget it.

IF YOU FORGET THE PASSWORD

1) Press the 4, 7, 3, 7 at step 4.

- Password will be cleared and parental level will be set to ALL.

2) Proceed the above steps 4-6 again.

TROUBLESHOOTING GUIDE

If the DVD player does not perform properly when operated as instructed in this Owner's Manual, check the player, consulting the following checklist.

Symptom	Cause	Remedy
No power	● Loose power plug.	● Insert the power plug firmly into the wall outlet.
The player does not respond to the remote control.	● The remote control is not aimed at the sensor on the player. ● Obstacles present between the remote control and the sensor. ● The remote control is too far away from the player. ● Dead batteries.	● Aim the remote control directly at the sensor on the player. ● Remove the obstacles from the signal path. ● Use the remote control within 23 feet of the player. ● Replace the batteries.
No picture	● Loose video connection. ● Wrong disc. ● Progressive switching is not set correctly.	● Connect the video cables firmly. ● Insert a correct video disc that plays on this player. ● Set the switch to the correct position according to the television settings.
Disc cannot be played	● No disc. ● Dirty disc. ● Disc is placed upside down. ● Parental lock is active.	● Insert a disc. ● Clean the disc. ● Place the disc correctly, with the label side up. ● Cancel the parental lock or change the control level.
No sound	● Loose audio connection. ● The power of the connected audio component is off. ● Wrong audio output settings. ● Wrong input settings on the connected audio component. ● DTS sound is being output.	● Connect the audio cables firmly. ● Turn the power of the audio component on. ● Correct the audio output settings. ● Correct the input settings on the audio component. ● The analog output terminal does not supply DTS sound.
Distorted picture	● Copy protection is active. ● Immediately after playing, press fast forward or in reverse. ● The 1st layer is switching to the 2nd layer, when playing a two layered disc.	● Connect the player directly to the TV. ● There are some cases where pictures may be slightly distorted, which are not a sign of a malfunction. ● Although Pictures may stop for a moment, this is not a malfunction and is quite common.
Audio or subtitle language does not match the setup.	● The selected language is not available for audio or subtitles on the DVD.	● No malfunction.
The camera angle cannot be changed.	● The DVD does not contain audio source or subtitles in the selected language.	● No malfunction.
Audio or subtitle language cannot be changed.	● The DVD does not contain sequences recorded from different camera angles.	● No malfunction.
“Prohibited icon” appears on the screen, prohibiting an operation.	● That operation is prohibited by the player or disc.	● No malfunction.

Notes

Some functions are not available in specific modes, but this is not a malfunction. Read the description in this Owner’s Manual for details on correct operations.

● Playback from a desired track and random playback are not available during program playback.

Servicing

Should your DVD player become inoperable, do not try to correct the problem by yourself. There are no user-serviceable parts inside. Turn the power off, unplug the power cord, and please call our help line at 1-800-332-2119 to locate an Authorized Service Center.

Cabinet Cleaning

- Wipe the front panel and other exterior surfaces of the DVD player with a soft cloth immersed in lukewarm water and wrung dry.
- Never use a solvent or alcohol. Do not spray any type of liquid near the DVD player. Certain chemicals may cause damage and discoloration to the exposed surfaces.

If the Laser Optical Pickup Unit is Dirty

- If the player still does not perform properly when it is operated and you have referred to the relevant sections and to the “Troubleshooting Guide” for help, the laser optical pickup unit may be dirty. Consult your dealer or an Authorized Service Center for inspection and cleaning of the laser optical pickup unit.

Adhesive labels

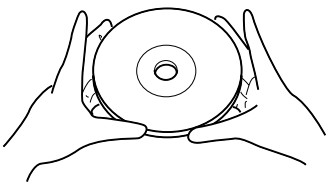
- Discs that are irregularly shaped, contain a scratch protection film or have an adhesive paper label or sticker should not be inserted into this player.
  Over time, the label or sticker may cause the disc to be stuck in the player, possibly causing damage to your player.
  If you wish to play "homemade" discs in this player, it is recommended you use a permanent felt tip marker to identify the disc.

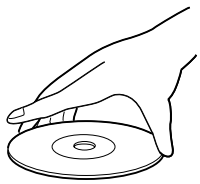
NEVER ATTEMPT TO PLAYBACK A DISC THAT IS CRACKED OR BROKEN !

Disc Handling

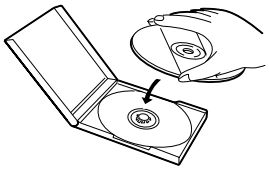
• Use discs which have the following logos on them.

• Handle the discs so that fingerprints and dust do not adhere to the surfaces of the discs.

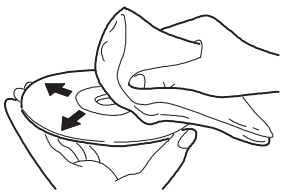




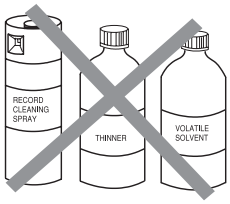
• Always store the disc in its protective case when it is not used.



• To clean-off, use a soft cloth.
• Do not use a hard cloth since this will mar the disc.
• Wipe the disc in a straight line from center to edge.
• Never wipe in a circular motion.



• Do not use detergent or abrasive cleansing agents.



SPECIFICATIONS

Product type :	DVD Player
Discs :	DVD video Audio CD Video CD
Output signal format :	NTSC color
Frequency response :	20 Hz to 22 kHz (sample rate: 48 kHz) 20 Hz to 44 kHz (sample rate: 96 kHz)
Signal-to-noise ratio (S/N ratio)	
CD:	120 dB (JEITA)
Dynamic range	
DVD (linear sound):	102 dB
CD:	99 dB (JEITA)
Total harmonic distortion	
DVD:	0.0025%
CD:	0.003%
Wow and flutter :	Below the measurement limitation (+/-0.001% W PEAK) (JEITA)
Connections	
S-Video output :	Mini DIN 4-pin jack (75 ohm)
Video output :	One RCA connector, 1 Vpp (75 ohm)
Coaxial digital audio output :	One pin jack, 500mVpp (75 ohm)
Analog audio output :	Two RCA connectors (one left channel, one right channel) 2 Vrms (100 kilo-ohm)
Component video output :	One pin jack (Y), 1 Vpp (75 ohm) Two pin jacks (C_b)/(C_r), 700mVpp (75 ohm)
Optical digital audio output :	Optical connector
Power source :	120 V AC +/- 10%, 60 Hz +/- 0.5%
Power consumption :	11 W (standby: 3.9W)
Operating temperature :	41˚F to 104˚F
Dimensions :	W 17-1/8” (435mm)
	H 2-3/16” (55mm)
	D 8-5/16” (211mm)
Weight :	3.97 lbs (1.8kg)

● Designs and specifications are subject to change without notice.

MEMO

MEMO

MITSUBISHI DVD Player
LIMITED WARRANTY

MITSUBISHI DIGITAL ELECTRONICS AMERICA, INC. ("MDEA") warrants to the original purchaser of this DVD player if purchased from an authorized MITSUBISHI Audio/Video Dealer that, should it prove defective by reason of improper workmanship and/or material:

a. **Parts.** For one year from the date of original purchase at retail, we will repair or replace, at our option, any defective part without charge for the part. All parts used for replacement are warranted for the remainder of the original warranty period.

b. **Labor.** For six months from the date of original purchase at retail, we will provide the labor for a warranty repair by an authorized MITSUBISHI service center without charge.

c. **Notice.** To obtain warranty service, you must notify an authorized MITSUBISHI service center of any defect within the applicable warranty time period.

1. TO OBTAIN WARRANTY SERVICE DURING THE FIRST YEAR:

a. Contact your nearest authorized MITSUBISHI service center, whose name and address can be obtained from your MITSUBISHI dealer or by writing or calling MDEA at the address and telephone number provided below.

b. Warranty service will be provided at an authorized service shop, provided that your DVD player is located within the geographic territory customarily covered by an authorized MITSUBISHI service center. If not, you must either deliver your DVD player to an authorized service location at your own expense, or pay for any travel and/or transportation costs the service center may charge to and from your home. Actual service labor will be provided without charge.

c. Proof of purchase date from an authorized MITSUBISHI Dealer is required when requesting warranty service. Present your sales receipt or other document which establishes proof and date of purchase. THE RETURN OF THE OWNER REGISTRATION CARD IS NOT A CONDITION OF WARRANTY COVERAGE. However, please return the Owner Registration Card so that we can contact you should a question of safety arise which could affect you.

2. THIS WARRANTY DOES NOT COVER damage caused by: modification, alteration, repair or service of this product by anyone other than an authorized MITSUBISHI service center; physical abuse to, or misuse of, the product; operation in a manner contrary to the instructions which accompany the product; freight damage; or any damage caused by acts of God such as lightning or fluctuation in electrical power. This warranty also excludes all costs arising from installation, adjustment of user controls, external antenna systems, service of products purchased or serviced outside the U.S.A., initial technical adjustments (setup) and user-required maintenance. Consult the operating instructions furnished with the product for information regarding user controls.

3. ANY EXPRESS WARRANTY NOT PROVIDED HEREIN, AND ANY REMEDY WHICH, BUT FOR THIS PROVISION, MIGHT ARISE BY IMPLICATION OR OPERATION OF LAW, IS HEREBY EXCLUDED AND DISCLAIMED. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR ANY PARTICULAR PURPOSE ARE EXPRESSLY LIMITED TO A TERM OF ONE YEAR.

4. UNDER NO CIRCUMSTANCES SHALL MDEA BE LIABLE TO PURCHASER OR ANY OTHER PERSON FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF BREACH OF WARRANTY, BREACH OF CONTRACT, OR OTHERWISE.

5. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental, special, or consequential damages, so the above limitations or exclusions may not apply to you.

6. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

7. BEFORE REQUESTING SERVICE, please review the instruction booklet to ensure proper installation and correct customer control adjustment. If the problem persists, contact your nearest MITSUBISHI Dealer for name(s) of authorized MITSUBISHI Service Center(s). If you are unable to obtain this information, please call 1-800-332-2119, or write us at the address below.

MITSUBISHI DIGITAL ELECTRONICS AMERICA, INC.
9351 Jeronimo Road
Irvine, CA 92618-1904

MITSUBISHI ELECTRIC
DIGITAL TELEVISIONS™

RETAIN THIS PORTION FOR YOUR RECORDS

SERIAL NO. _____

CUSTOMER NAME _____

STREET ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE ( ) _____ PURCHASE DATE ____ / ____ / ____
MO DAY YR

PLACE OF PURCHASE _____

© 2003 Mitsubishi Digital Electronics America, Inc.

Printed in China
0VMN03584
E5731UD *****